DRAFT

NAVY TRAINING SYSTEM PLAN

FOR THE

CARRIER AIR TRAFFIC CONTROL CENTER DIRECT ALTITUDE AND IDENTITY READOUT

AND

AMPHIBIOUS AIR TRAFFIC CONTROL DIRECT ALTITUDE AND IDENTITY READOUT

N88-NTSP-E-50-8502B/D

AUGUST 1999

CARRIER AIR TRAFFIC CONTROL CENTER DIRECT ALTITUDE AND IDENTITY READOUT AND AMPHIBIOUS AIR TRAFFIC CONTROL DIRECT ALTITUDE AND IDENTITY READOUT

EXECUTIVE SUMMARY

The Carrier Air Traffic Control Center Direct Altitude and Identity Readout (CATCC DAIR) and Amphibious Air Traffic Control Direct Altitude and Identity Readout (AATC DAIR) systems are Air Traffic Control Identification systems that permit an Air Traffic Controller (AC) to obtain rapid positive identification and altitude data of transponder equipped aircraft and to track transponder or non-transponder equipped (via radar skin paint) aircraft. The systems are used on Aircraft Carriers, Helicopter Assault Landing (LHA), and Multi Purpose Amphibious Assault (LHD) ships.

CATCC DAIR and AATC DAIR current system configurations will be replaced by the AN/TPX-42A(V)14 hardware system configuration. CATCC DAIR is currently an AN/TPX-42A(V)8 or AN/TPX-42A(V)13 hardware configured system. AATC DAIR is currently an AN/TPX-42A(V)12 or AN/TPX-42A(V)13 hardware configured system. Software determines operational characteristics for the individual systems and is customized for the mission of each ship class.

Delivery of the AN/TPX-42(V)8 and AN/TPX-42A(V)13 CATCC DAIR system configuration has been completed. The AN/TPX-42(V)12 or AN/TPX-42A(V)13 AATC DAIR systems have been installed on all LHDs and LHAs. The installation of the AATC DAIR systems and retrofitting of the CATCC DAIR systems (through the use of AN/TPX-42A(V)14 field change kits) are projected to be completed by Fiscal Year (FY)07.

The installation of the AN/TPX-42A(V)14 will not change operator and maintainer requirements for current CV, CVN, LHA, and LHD ship manpower. The operators of the AN/TPX-42A(V)14 are ACs with Navy Enlisted Classification (NEC) 6902 and 6903. Navy Electronics Technician (ET) personnel with NEC 1568 (AN/TPX-42A(V)13 Shipboard DAIR Maintenance Technician) and 1576 (CATC DAIR Maintenance Technician) completing training at NAWCAD St. Inigoes or NATTC Pensacola will receive the NEC 15XX, AN/TPX-42A(V)14 Shipboard DAIR Maintenance Technician, upon approval. ETs perform maintenance on the applicable configuration.

Initial training of the operators (AC) and maintainers (ET) on the CATCC DAIR and AATC DAIR AN/TPX-42A(V)14 system configuration began in third quarter FY99 at the Naval Air Warfare Center Aircraft Division (NAWCAD), St. Inigoes, Maryland. Follow-on training for CATCC DAIR and AATC DAIR operators and maintainers for AN/TPX-42(V)8, (V)12, and

(V)13 currently exist, and AN/TPX-42(V)14 training will begin in four quarter FY01, at Naval Air Technical Training Center (NATTC) Pensacola, Florida. Until NATTC Pensacola is on-line with the AN/TPX-42(V)14 training in fourth quarter FY01, NAWCAD St. Inigoes will conduct training for the operators, maintainers, and instructors.

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LIST OF ACRONYMS

AATC	Amphibious Air Traffic Control
AATC DAIR	Amphibious Air Traffic Control Direct Altitude and Identity Readout
AC	Air Traffic Controller
ACDS	Advanced Combat Direction System
ACLS	Automatic Carrier Landing System
ACP	Azimuth Change Pulses
AMIST	Aviation Maintenance In-Service Training
AMTCS	Aviation Maintenance Training Continuum System
AOB	Average On Board
ARP	Azimuth Reference Pulses
ATIR	Annual Training Input Requirement
BIT	Built-In Test
CATCC	Carrier Air Traffic Control Center
CATCC DAIR	Carrier Air Traffic Control Center Direct Altitude and Identity Readout
CBT	Computer-Based Training
CIC	Combat Information Center
CM	Corrective Maintenance
CNO	Chief of Naval Operations
CV	Aircraft Carrier
CVN	Multi-Purpose Aircraft Carrier, Nuclear
DAIR	Direct Altitude and Identity Readout
ET	Electronics Technician
FY	Fiscal Year
ICSTF	Integrated Combat System Test Facility
IFF	Identification Friend Foe
ILSP	Integrated Logistics Support Plan

CARRIER AIR TRAFFIC CONTROL CENTER DIRECT ALTITUDE AND IDENTITY READOUT AND AMPHIBIOUS AIR TRAFFIC CONTROL DIRECT ALTITUDE AND IDENTITY READOUT

LIST OF ACRONYMS

KCMX	Keyset Central Multiplexer
LHA	Helicopter Assault Landing Ship
LHD	Multi-Purpose Amphibious Assault Ship
MPT	Manpower, Personnel, and Training
MRC	Maintenance Requirements Card
MTIP	Maintenance Training Improvement Program
NA	Not Applicable
NATTC	Naval Air Technical Training Center
NAVAIRSYSCOM	Naval Air Systems Command
NAVICP	Naval Inventory Control Point
NAVPERSCOM / NPC	Naval Personnel Command
NAWCAD	Naval Air Warfare Center Aircraft Division
NEC	Navy Enlisted Classification
NOBC	Navy Officer Billet Classification
NTDS	Naval Tactical Data System
NTP	Navy Training Plan
NTSP	Navy Training System Plan
OLSS	Operational Logistics Support Summary
OPEVAL	Operational Evaluation
PM	Preventive Maintenance
PMA	Program Manager, Air
RFT	Ready For Training
SDMS	Shipboard Data Multiplex System
SPETE	Special Purpose Electronic Test Equipment
SRA	Shop Replaceable Assembly
TD	Training Device

CARRIER AIR TRAFFIC CONTROL CENTER DIRECT ALTITUDE AND IDENTITY READOUT AND AMPHIBIOUS AIR TRAFFIC CONTROL DIRECT ALTITUDE AND IDENTITY READOUT

LIST OF ACRONYMS

TTE	Technical Training Equipment
USS	United States Ship
VSP	Video Signal Processor
WRA	Weapon Replaceable Assembly

CARRIER AIR TRAFFIC CONTROL CENTER DIRECT ALTITUDE AND IDENTITY READOUT AND AMPHIBIOUS AIR TRAFFIC CONTROL DIRECT ALTITUDE AND IDENTITY READOUT

PREFACE

This Draft Navy Training System Plan (NTSP) for the Carrier Air Traffic Control Center Direct Altitude and Identity Readout (CATCC DAIR) and Amphibious Air Traffic Control Direct Altitude and Identity Readout (AATC DAIR) is an update of the Draft CATCC DAIR and AATC DAIR Navy Training Plan (NTP), NTP E-50-8502A, dated August 1993. This NTSP reflects the latest information on the DAIR program and has been updated to comply with guidelines set forth in the Navy Training Requirements Documentation Manual. The major changes to this NTSP are as follows:

- Information on the AN/TPX-42A(V)14 system configuration is included.
- The AN/TPX-42A(V)14 system configuration delivery schedule is included.
- The AN/TPX-42A(V)14 Material Support Date of March 2002 is included.
- Courses no longer applicable have been deleted.
- Navy Enlisted Classification (NEC) 1576 changed to 1568 for personnel completing the pipeline course, C-103-2055.
- New NEC 15XX will be given to personnel completing the pipeline course, C-103-20XX.

PART I - TECHNICAL PROGRAM DATA

A. NOMENCLATURE-TITLE-PROGRAM

1. Nomenclature-Title-Acronym. Carrier Air Traffic Control Center Direct Altitude and Identity Readout (CATCC DAIR) and Amphibious Air Traffic Control Direct Altitude and Identity Readout (AATC DAIR).

2. Program Element

Training ..... 84731X and 84771X
Hardware 283100N

B. SECURITY CLASSIFICATION

1. System Characteristics ..... Unclassified
2. Capabilities ..... Unclassified
3. Functions..... Unclassified

C. MANPOWER, PERSONNEL, AND TRAINING PRINCIPALS

OPNAV Principal Official (OPO) Program Sponsor..... CNO (N885F)

OPO Resource Sponsor..... CNO (N885F)

Developing Agency..... NAVAIRSYSCOM (PMA213)

Training Agency ..... CINCLANTFLT
CINCPACFLT
CNET

Training Support Agency..... NAVAIRSYSCOM (PMA205)

Manpower and Personnel Mission Sponsor..... CNO (N12)
NAVPERSCOM (PERS-4B, PERS-404, PERS-406)

Director of Naval Training ..... CNO (N7)

D. SYSTEM DESCRIPTION

1. Operational Uses. The CATCC DAIR system software is for air traffic control aboard Aircraft Carrier (CV) and Multi-Purpose Aircraft Carrier, Nuclear (CVN) ships, and AATC DAIR system software is designed for air traffic control aboard amphibious ships.

Although the Identification Friend Foe (IFF) beacon is the primary means of establishing target detection and tracking, the CATCC DAIR and AATC DAIR systems incorporate radar track processing as a backup. The systems automatically track aircraft (using beacon response), associating each with the proper identification data from the flight data stores list. As each aircraft leaves the controller's area of responsibility, its track is automatically handed off either to another Carrier Air Traffic Control Center (CATCC) or Amphibious Air Traffic Control (AATC) control position, the Combat Information Center (CIC), or Automatic Carrier Landing System (ACLS), as appropriate. Additionally, the CATCC DAIR and AATC DAIR systems accept ship's data such as speed, heading, position, clock time, and barometric pressure. It displays the data in tabular list form on the controllers' indicators. The final bearing is automatically computed and displayed as a vector on the indicators. CATCC and AATC responsibility covers an area within a 50 nautical mile radius surrounding the ship.

AATC DAIR has all the capabilities of CATCC DAIR described in the previous paragraph, with the exception of an ACLS interface. In addition, AATC DAIR also provides information such as Air Plan Lists, Mode 4 IFF capability, helicopter control points, and surface tracks. AATC DAIR provides the dual capability of terminal control and amphibious assault missions. AN/TPX-42A(V)8, (V)12, and (V)13 CATCC DAIR and AATC DAIR system configuration upgrades to the TPX-42A(V)14 system began in first quarter Fiscal Year (FY)99. Upgrade completion is expected in the FY07 timeframe.

2. Foreign Military Sales. Not Applicable (NA)

E. DEVELOPMENTAL TEST AND OPERATIONAL TEST

1. AN/TPX-42A(V)8. AN/TPX-42A(V)8 CATCC DAIR system configuration successfully completed Operational Evaluation (OPEVAL) and Technical Evaluation on board the United States Ship (USS) John F. Kennedy, and received Approval for Service Use during fourth quarter FY82.

2. AN/TPX-42A(V)12. The AN/TPX-42A(V)12 AATC DAIR system configuration Engineering Development Model was delivered to Naval Air Warfare Center Aircraft Division (NAWCAD), St. Inigoes, Maryland, in July 1988. Phase II testing was conducted at NAWCAD St. Inigoes from August 1988 to January 1990. Phase III shipboard testing was conducted aboard Multi-Purpose Amphibious Assault (LHD)-1 from November 1988 to January 1990. OT-II OPEVAL was conducted in April 1991. Approval for Full Rate Production was granted in February 1992.

3. AN/TPX-42A(V)13. The AN/TPX-42A(V)13 system configuration did not require OPEVAL. This was an upgrade of the AN/TPX-42A(V)8 and AN/TPX-42A(V)12. An engineering change proposal (ECP) was approved and funded by the Naval Air System Command (NAVAIRSYSCOM) and the Naval Sea System Command to replace the existing IFF and radar processors with state-of-the-art, open-architecture-based processors. The ECP greatly improved performance of target detection and tracking, allows continued logistics support for the system,

and maintains the current CV and CVN designs. CVN-65, CVN-74, and LHD-5 were the first platforms to receive the AN/TPX-42A(V)13 system configuration.

4. AN/TPX-42A(V)14. The AN/TPX-42A(V)14 system configuration will not require OPEVAL. AN/TPX-42A(V)14 is an upgrade of AN/TPX-42A(V)8, AN/TPX-42A(V)12, and AN/TPX-42A(V)13 configurations of the system using Government Furnished Equipment and Commercial Off-The-Shelf hardware.

F. AIRCRAFT AND/OR EQUIPMENT/SYSTEM/SUBSYSTEM REPLACED

1. CATCC DAIR. Field Change Kits are in use to upgrade the AN/TPX-42A(V)8 and AN/TPX-42A(V)13 system configurations to the AN/TPX-42A(V)14 system configuration. This is a retrofit to existing equipment and does not constitute a system replacement.

2. AATC DAIR. Field Change Kits are in use to upgrade the AN/TPX-42A(V)12 and AN/TPX-42A(V)13 system configurations to the AN/TPX-42A(V)14 AATC DAIR configuration. This is a retrofit to existing equipment and does not constitute a system replacement.

G. DESCRIPTION OF NEW DEVELOPMENT

1. Functional Description. The AN/TPX-42A(V)8, AN/TPX-42A(V)12, AN/TPX-42A(V)13, and AN/TPX-42A(V)14 configurations of the system are similar in function. The upgrades of the major components were intended to improve reliability and quality of the system. The system automatically tracks aircraft (using beacon response), associating each with the proper identification data from the flight data stores list. As each aircraft leaves the controller's area of responsibility, its track is automatically handed off either to another CATCC or AATC control position, the CIC, or ACLS as appropriate. AATC DAIR has all the capabilities of CATCC DAIR with the exception of an ACLS interface. Additionally, the CATCC DAIR and AATC DAIR systems accept ship's data such as speed, heading, position, clock time, and barometric pressure. Both display the data in tabular list form on the controllers' indicators. The final bearing is automatically computed and displayed as a vector on the indicators.

a. AN/TPX-42A(V)14

(1) Data Processing Group OL-541

(a) CP-1716A Radar Target Data Processor. The CP-1716A Radar Target Data Processor detects AN/SPN-43 primary radar video signals, triggers, and azimuth data, and develops a single digital report for each operating aircraft within the range of the antenna scan. It then transfers the messages to the CP-1716 Track Processor. All operating controls, self-test controls, and indicators are located on the front panel of the equipment. The Radar Target Data Processor consists of 28 types of plug-in circuit cards and a power supply.

(b) CV-3477 Analog to Digital Converters. The CV-3477 Analog to Digital Converters accept single speed synchro voltage inputs and produce Azimuth Reference Pulses (ARP) and Azimuth Change Pulses (ACP). The four Analog to Digital Converters provide the ARP and ACP signals for two of four available radar systems and one of four IFF systems. The extra unit is in standby mode for the IFF Radar System.

(c) CP-2177 Video Signal Processor. The CP-2177 Video Signal Processor (VSP) generates target report messages once per antenna scan for each IFF transponder replying within the selected range. The target message is properly formatted and transmitted to the Signal Data Converter after the beam of the rotating antenna has passed each replying aircraft. Two VSPs are provided in the system for dual channel capability. Each unit consists of 32 types of plug-in circuit cards and a power supply. The OL-373 will be integrated into the same rack that replaces the OL-372 in the AN/TPX-42A(V)13 or AN/TPX-42A(V)14.

(2) Conversion-Switching Group OU-162

(a) AN/USQ-69B(V) Data Terminal Set. The AN/USQ-69B(V) Data Terminal Set provides a 25 line, 80 character Cathode Ray Tube display which interfaces with the AN/UYK-44. The 15-inch diagonal display tube has a self-refresh capability. The Data Terminal Set features a three-page display memory, micro program control, character protection, and character emphasis capabilities. The AN/USQ-69B, or an equivalent unit in the AN/TPX-42A(V)13 or AN/TPX-42A(V)14 configuration, will replace this unit.

(b) CV-3953 Signal Data Converter. The CV-3953 Signal Data Converter has dual channel capability in transferring data to and from the AN/UYK-44(V) Data Processing Set. It interfaces the AN/UYK-44(V) with the Video Signal Processor's Frequency Shift Keyed data (no longer a function in the AN/TPX-42A(V)13), the Analog-Digital Converter's ACP data, and the time code generator signals. The Signal Data Converter consists of three types of plug-in circuit cards, an Alarm Driver assembly, and two power supplies.

(c) AN/UYK-44(V)EP/OSM Data Processing Set. The AN/UYK-44(V)EP/OSM Data Processing Set is a militarized, reconfigurable, programmable mini-computer. Two units are used for dual channel capability. Each Data Processing Set has a total memory capacity of 384K words. The AN/TPX-42A(V)13 system will use the enhanced processor version of the AN/UYK-44, which will have five times the processing power of the basic unit. The AN/UYK-44 can be installed as a separate change to the AN/TPX-42A(V)8 system, which allows the system to operate program version five, (i.e., the ability to store map lines). The system remains a AN/TPX-42A(V)8 until a AN/TPX-42A(V)13 kit is installed. To date, aircraft carriers USS Kennedy, USS Constellation, USS Kitty Hawk, USS Lincoln, USS Washington, USS Vinson, and the maintenance side of the schoolhouse have the AN/UYK-44.

(d) SA-2497 Data Signal Switching Unit. The SA-2497 Data Signal Switching Unit provides interface switching for the Track Processor on Helicopter Assault Landing (LHA), the Track Processor and AN/WSN-5 navigational source on LHDs, and the Track Processor on CV and CVN ships. It also provides switching between radar switchboard

and AN/SPN-43 direct data in the event of a switchboard failure. The equipment room local-remote channel switch is also located on this unit. The SA-2497 is designed after the SA-2164.

(e) SA-2164 Data Signal Switching Unit. The SA-2164 Data Signal Switching Unit provides interconnection of the on-line Data Processing Set with the Keyset Central Multiplexer (KCMX) (LHA, CV, and CVN application), Shipboard Data Multiplex System (SDMS) (LHD application), Navy Tactical Data System (NTDS) (LHA application), and Advanced Combat Direction System (ACDS) (LHD, CV, and CVN application). The Data Signal Switching Unit consists of a front panel, relay assemblies, indicator lamps, and a power supply.

(3) Indicator Control Group OD-220

(a) OD-220 Display Console. The OD-220 Display Console (5 or 8 each) is a new cabinet design housing a 29-inch high resolution (2000 by 1536) diagonal, large screen, raster-scan display. Five or eight display consoles may be used in a typical system.

(b) 506 0001E Keyboard. The 506 0001E Keyboard provides for keyboard inputs by the operator. Five or eight Keyboards may be used in a typical system. The keyboard was designed for application to the CV, CVN, LHA, and LHD missions. It is located on a shelf in front of the display on the OD-220 Display Console.

(c) 625-G2520-2 Trackball. The 625-G2520-2 Trackball assembly interfaces with the Keyboard at each individual indicator. Five or eight Trackballs may be used in a typical system. It is located on a shelf in front of the display on the OD-220 Display Console.

(d) 512890 Writing Panel. The 512890 Writing Panel is a four and one-half by eight inch illuminated writing surface located on the shelf of the OD-220 Console Display.

(e) C-11618 Interrogator Set Control. The C-11618 Interrogator Set Control provides supervisor control for the selection of interrogation modes, processing range, navigational data input source, primary or alternate radar selection, alarm indications, channel selection, and defruiter on-off switching. It consists of a front panel assembly, a switch assembly, and two circuit cards.

(f) WordSafe Maxima Video Recorder/Reproducer. The AN/TPX-42A(V)14 has two WordSafe multi-channel magnetic tape recorders connected to the equipment to record flight operations. The WordSafe has 16 channels dedicated to video data recording and 48 channels dedicated to voice recording. Time information is internally generated and does not require a dedicated channel. Information may be recorded by operating position or individual frequency. Use of two tape transports ensures uninterrupted recording capability.

(g) 625-G2520-2 Trackball. The Trackball is used to control a circular symbol across the face of the Cathode Ray Tube. Rolling the Trackball in a particular

direction moves the circle in that direction. The faster the Trackball is moved, the faster the symbol moves. The Trackball is used for many tasks: designating a specific aircraft to the system, off-centering the display, moving tabular information, and specifying the location of geographic reference points. The position of the Trackball symbol is displayed numerically in the Trackball Position Readout.

TABLE I-1 - CATCC DAIR AND AATC DAIR SYSTEM CONFIGURATIONS

AN/TPX-42A(V)8	AN/TPX-42A(V)12	AN/TPX-42A(V)13	AN/TPX-42A(V)14
OL-201 DATA PROCESSING GROUP	**OL-372 DATA PROCESSING GROUP**	**OL-541 DATA PROCESSING GROUP**	**OL-541 DATA PROCESSING GROUP**
CY-7567 Electrical Equipment Cabinet (1 each)	CY-8421 Electrical Equipment Cabinet (1 each)	MT-6932 Electrical Equipment Cabinet (1 each)	MT-6932 Electrical Equipment Cabinet (1 each)
CP-1319A Radar Target Data Processor (1 each)	CP-1319A Radar Target Data Processor (1 each)	CP-1716A Track Processor (1 each)	CP-1716A Track Processor (1 each)
CV-3477 Analog To Digital Converter (3 each)	CV-3477 Analog To Digital Converter (4 each)	CV-3477 Analog To Digital Converter (4 each)	CV-3477 Analog To Digital Converter (4 each)
CN-1506 Signal Processor (1 each)	CN-1506 Signal Processor (1ea)		
CP-1318 Video Signal Processor (2 each)	CP-1318 Video Signal Processor (2 each)	CP-2177 Video Signal Processor (2 each)	CP-2177 Video Signal Processor (2 each)
	MT-6439 Electrical Equipment Rack (1 each)		
	CP-1716 Track Processor (1 each)		
AN/USQ-69(V) Data Terminal Set (1 each)	AN/USQ-69(V) Data Terminal Set (1 each)	AN/USQ-69B(V) Single Channel (1 each)	AN/USQ-69B(V) Single Channel (1 each)

OU-131 CONVERSION SWITCHING GROUP	OU-162 CONVERSION SWITCHING GROUP	OU-162 CONVERSION SWITCHING GROUP	OU-162 CONVERSION SWITCHING GROUP
MT-4939 Electrical Equipment Rack (1 each)	MT-6440 Electrical Equipment Rack (1 each)	MT-6440 Electrical Equipment Rack (1 each)	MT-6440 Electrical Equipment Rack (1 each)
MT-4940 Electrical Equipment Rack (1 each)	MT-6443 Electrical Equipment Rack (1 each)	MT-6443 Electrical Equipment Rack (1 each)	MT-6443 Electrical Equipment Rack (1 each)
AN/USH-26(V) Signal Data Record/Repro Unit (1 each)	AN/USH-26(V) Signal Data Record/Repro Unit (1 each)	AN/USQ-69B(V) Dual Channel Data Terminal Set (1 each)	AN/USQ-69B(V) Dual Channel Data Terminal Set (1 each)
CV-3476 Signal Data Converter (1 each)	CV-3953 Signal Data Converter (1 each)	CV-3953 Signal Data Converter (1 each)	CV-3953 Signal Data Converter (1 each)
AN/UYK-44(V) Data Processing Set (2 each)	AN/UYK-44(V)EP Data Processing Set (2 each)	AN/UYK-44(V)EP Data Processing Set (2 each)	AN/UYK-44(V) EP/OSM Data Processing Set (2 each)

OU-131 CONVERSION SWITCHING GROUP	OU-162 CONVERSION SWITCHING GROUP	OU-162 CONVERSION SWITCHING GROUP	OU-162 CONVERSION SWITCHING GROUP
	SA-2497 Data Signal Switching Unit (1 each)	SA-2497 Data Signal Switching Unit (1 each)	SA-2497 Data Signal Switching Unit (1 each)
SA-2164 Data Signal Switching Unit (1 each)	SA-2164 Data Signal Switching Unit (1 each)	SA-2164 Data Signal Switching Unit (1 each)	SA-2164 Data Signal Switching Unit (1 each)

OD-146 INDICATOR CONTROL GROUP	OD-201 INDICATOR CONTROL GROUP	OD-201 INDICATOR CONTROL GROUP	OD-220 INDICATOR CONTROL GROUP
OD-146 Display Console (5 each)	OD-201 Display Console (5 each)	OD-201 Display Console (5 each)	OD-220 Display Console (5 or 8 each)
PP-7433 Power Supply (5 each)	PP-7433 Power Supply (5 each)	PP-7433 Power Supply (5 each)	
C-10330 Indicator Control Box (5 each)	C-11619 Indicator Control Box (5 each)	C-11619 Indicator Control Box (5 each)	
KY-844 Keyboard Controller (5 each)	KY-900 Keyboard Controller (5 each)	KY-900 Keyboard Controller (5 each)	506 0001E Keyboard (5 or 8 each)
	MX-10719 Position Entry Module (5 each)	MX-10719 Position Entry Module (5 each)	625-G2520-2 Trackball (5 or 8 each)
505580-1Illuminated Writing Panel (5 each)	512890-2 Illuminated Writing Panel (5 each)	512890-2 Illuminated Writing Panel (5 each)	Writing Panel P/N 512890 (5 or 8 each)
C-10329 Interrogator Set Control (1 each)	C-11618 Interrogator Set Control (1 each)	C-11618 Interrogator Set Control (1 each)	C-11618 Interrogator Set Control (1 each)
RD-379A(V)/UNH Magnetic Recorder/Reproducer (1 each)	RD-379A(V)/UNH Magnetic Recorder/Reproducer (1 each)	RC-3212 or WordSafe Maxima Video Recorder/Reproducer (1 each)	WordSafe Maxima Video Recorder/Reproducer (1 each)
Junction Box 502799-1 (4 each)	Junction Box 502799-1 (4 each)	Junction Box 502799-1 (4 each)	Junction Box 502799-1 (4 or 8 each)
Junction Box 502799-100 (1 each)	Junction Box 502799-100 (1 each)	Junction Box 502799-100 (1 each)	Junction Box 502799-100 (1 each)

2. Physical Description. All of the components listed below are the same as the AN/TPX-42A(V)13 with the exception of the OD-220 Display console.

AN/TPX-42(V)14				
NOMENCLATURE	**HEIGHT**	**WIDTH**	**DEPTH**	**WEIGHT**
CP-1716A/TPX-42A(V) Track Processor	13.00	19.00	23.00	93
CV-3477 A/D Converter	5.25	4.25	17.75	13

AN/TPX-42(V)14				
NOMENCLATURE	**HEIGHT**	**WIDTH**	**DEPTH**	**WEIGHT**
CP-2177 Video Signal Processor	13.00	19.00	23.00	93
MT-6440 Electrical Cabinet	65.00	27.25	29.75	100
MT-6443 Electrical Cabinet	65.00	27.25	29.75	100
AN/USQ-69B(V) Single Channel	20.00	19.00	27.25	147
CV-3953 Signal Data Converter	22.75	19.00	20.00	128
AN/UYK-44(V) Data Processing Set	20.00	19.25	21.25	220
SA-2497/TPX42A(V) Data Signal Switching Unit	9.00	23.50	49.00	58
SA-2164 Data Signal Switching Unit	9.00	23.50	19.00	58
OD-220 Display Console	49.31	30.03	32.50	695

Note: All OD-220 group components are contained within or on the OD-220 Display Console.

3. New Development Introduction. The AN/TPX-42A(V)14 is a new procurement for LHA, LHD, CV, and CVN ships. New platforms will originally receive the AN/TPX-42A(V)14 system configuration. Existing AN/TPX-42A(V)8 and AN/TPX-42A(V)13 systems are being upgraded to the AN/TPX-42A(V)14 configuration through the use of field change kits. The four unique AN/TPX-42A(V)12 configurations will also be upgraded with AN/TPX-42A(V)14 kits.

4. Significant Interfaces. The AN/TPX-42A(V)14 operates in conjunction with several shipboard radar systems and requires trigger and azimuth data so the DAIR information can be superimposed on and correlated with the primary video. The system interfaces are listed below:

- AN/UPX-37 Digital Interrogator
- ACDS
- NTDS
- KCMX
- ACLS
- AN/USQ-82(V) SDMS
- AN/SPN-43 series Radar System and alternate radar sources
- AN/UPX-23, AN/UPX-25, AN/UPX-27 IFF interrogators
- RD-379A/UNH Recorder-Reproducer and SG-1064/U Time Code Generator
- SB-1505, SB-4149, SB-4229 Radar Switchboards

5. New Features, Configurations, or Material. The AN/TPX-42A(V)14 is a new procurement for LHA, LHD, CV, and CVN ships. Some of the improvements over the other configurations are:

- Improved IFF processor increases target capacities from 200 to more than 800 per scan
- Radar track processor with 200 tracks and scan capability in the 60-nm mode
- IFF and radar track correlation
- Sixty percent faster refresh rate on the indicators with 50 percent greater symbol and data display capacity
- Enhanced AN/UYK-44 computer with 68040 microprocessor based processing power
- Quick action key sequences
- Expanded ACDS interface
- Four versus three navigational sources
- Elimination of the old IFF Normal-Emergency switch and its restrictions
- Stiff stick replaced by a trackball
- Additional interface ports for expansion to CVNS, SYS-2, etc.
- Virtual elimination of "coasting" tracks through better processors and improved tracking software algorithms
- Improved hardware design for even better uptime and easier maintainability
- A track can be initiated and maintained on skin paint, IFF position data only, Mode 1, Mode C, Mode 3, and Mode 2, or any combination of the same.

H. CONCEPTS

1. Operational Concept. The CATCC DAIR and AATC DAIR systems are Air Traffic Control systems in which an operator (or team of operators) control air traffic via the display devices. Operation includes gathering and assembling information for air traffic within a given area. AATC DAIR system operators require Air Traffic Controllers (AC) with NEC 6903. The operators of the CATCC DAIR system require personnel in the AC rating with NEC 6902.

2. Maintenance Concept. The maintenance concepts for the AN/TPX-42(V)8, AN/TPX-42(V)12, AN/TPX-42(V)13, and AN/TPX-42(V)14 are based on two levels of maintenance, organizational and depot. No intermediate level maintenance is required.

a. Organizational. Per OPNAVINST 4790.4B, organizational level maintenance for AATC DAIR and CATCC DAIR consists of using Built-in Test (BIT) to isolate faults, system operational checks, alignments, adjustments, and repairs. Repairs are made by isolating discrete chassis components, modules, or digital circuit cards, and replacing the failed items. Those components not repairable at the organizational level are returned to the depot facility through the supply system for disposition per repairable turn-in procedures described in NAVSUP Publication 485 and the Master Repairable List, NAVSUP Publication 4107-N. The organizational

maintenance on AN/TPX-42(V)8, AN/TPX-42(V)12, AN/TPX-42(V)13 is performed by Electronic Technicians (ETs) with NEC 1568, also ETs with NEC 1576 perform maintenance on AN/TPX-42(V)8 only. The maintenance on AN/TPX-42(V)14 performed by ETs with NEC 15XX.

(1) Preventive Maintenance. Organizational level Preventive Maintenance (PM) in support of the AN/TPX-42(V)8, AN/TPX-42(V)12, AN/TPX-42(V)13, and AN/TPX-42(V)14 is accomplished per Maintenance Requirement Cards (MRC) and maintenance instruction manuals prepared for the system. PM consists of inspection, cleaning, lubricating, pressurization checks, calibration, and operational checks.

(2) Corrective Maintenance. Organizational level Corrective Maintenance (CM) in support of the AN/TPX-42(V)8, AN/TPX-42(V)12, AN/TPX-42(V)13, and AN/TPX-42(V)14 consists of fault isolation of Weapon Replaceable Assemblies (WRAs) and Shop Replaceable Assemblies (SRAs) using BIT equipment and special purpose electronic test equipment. CM also includes removal and replacement of WRAs and SRAs, and operational test to verify repairs.

b. Intermediate. No intermediate maintenance is or will be required to support the AN/TPX-42(V)8, AN/TPX-42(V)12, AN/TPX-42(V)13, and AN/TPX-42(V)14.

c. Depot. Depot level maintenance responsibilities include restoration of repairables which are beyond the organizational level capability including inspection, test, repair, modification, alteration, modernization, conversion, overhaul, reclamation, or rebuilding of parts, assemblies, subassemblies, components, and equipment to "like new" condition. Common DAIR items (common to the AN/TPX-42A(V)5 DAIR) will be repaired at the Sacramento Air Logistics Center, McClellan Air Force Base, California, under a joint task agreement. The contractor will repair all AATC DAIR and CATCC DAIR unique items at the depot level until the proposed Material Support Date of March 2002.

d. Interim Maintenance. Mobile Technical Units are and will be providing technical assistance to the organizational level technicians. Engineering technical services are available through NAWCAD St. Inigoes on an on-call basis.

e. Life-Cycle Maintenance Plan. NA

2. Manning Concept. The installation of the AN/TPX-42A(V)14 will not change operator or maintainer requirements for current CV, CVN, LHA, and LHD ship manpower. The operators of the AN/TPX-42A(V)14 are ACs with NEC 6902 and 6903. Navy ET personnel with NEC 1568, AN/TPX-42A(V)13 Shipboard DAIR Maintenance Technician, and 1576, CATC DAIR Maintenance Technician, completing training at NAWCAD St. Inigoes or Naval Air Technical Training Center (NATTC) Pensacola, Florida will receive NEC 15XX, AN/TPX-42A(V)14 Shipboard DAIR Maintenance Technician, upon approval. ETs perform maintenance on the applicable configuration.

3. Training Concept. Initial operator (AC) and maintainer (ET) training on the AN/TPX-42A(V)14 configuration began in first quarter FY99 at NAWCAD St. Inigoes. Follow-on training for CATCC and AATC operators and maintainers is being conducted on AN/TPX-42(V)8, AN/TPX-42(V)12, and AN/TPX-42(V)13 configurations at NATTC Pensacola. Follow-on training on the AN/TPX-42A(V)14 configuration will begin in FY01 at NATTC Pensacola, requiring a new course. Until NATTC Pensacola is online, NAWCAD St. Inigoes will conduct operator, maintainer, and instructor training. Navy personnel with NEC 1576 receive the designation from the ship's commanding officer after completing on-the-job training for the AN/TPX-42(V)8.

The established training concept for most aviation maintenance training divides "A" School courses into two or more segments called Core and Strand. The "C" School courses are also divided into separate Initial and Career training courses. "A" School Core courses include general knowledge and skills training for the particular rating, while "A" School Strand courses focus on the more specialized training requirements for that rating and a specific aircraft or equipment, based on the student's fleet activity destination. Strand training immediately follows Core training and is part of the "A" School. Upon completion of Core and Strand "A" School, graduates attend the appropriate Initial "C" School for additional specific training. Initial "C" School training is intended for students in paygrades E-4 and below. Career "C" School training is provided for E-5 and above personnel to enhance skills and knowledge within their field. ACs do not participate in the initial-career training concept.

a. Initial Training. Initial training for the AN/TPX-42A(V)8, 12, and 13 have been completed. Initial training for the AN/TPX-42A(V)14 has been developed and is being provided by NAWCAD St. Inigoes. This training, which began in first quarter FY99, consists of difference training. Initial training for the AN/TPX-42A(V)14 is ongoing and being conducted at each command upon installation.

Title	**AN/TPX-42A(V)14 Initial Operator**
Description	This course familiarizes operators with differences between the AN/TPX-42A(V)14 and AN/TPX-42A(V)8, AN/TPX-42A(V)12, and AN/TPX-42A(V)13
Location	NAWCAD St. Inigoes
Length	5 days
RFT date	FY99
TTE/TD.....	Refer to Part IV.A.1
Prerequisites	° C-222-2010, Air Traffic Controller

Title	**AN/TPX-42A(V)14 Initial Maintenance**
Description	This course familiarizes maintainers with differences between the AN/TPX-42A(V)14 and AN/TPX-42A(V)8, AN/TPX-42A(V)12, and AN/TPX-42A(V)13.
Location	NAWCAD St. Inigoes
Length	19 days
RFT date	FY99
TTE/TD.....	Refer to Part IV.A.1
Prerequisites	° A-100-0138, Electronics Technician Core A School ° A-100-0140, Electronics Technician Strand A School

b. Follow-on Training

Title	**Carrier Air Traffic Control Center Operations**
CIN	C-222-2012
Model Manager ..	NATTC Pensacola
Description	This course provides operators with operational procedures for the AATC systems.
Location	NATTC Pensacola
Length	40 days
RFT date	Currently available
Skill identifier.....	AC 6902
TTE/TD.....	Refer to Part IV.A.1
Prerequisites	C-222-2010, Air Traffic Controller

Title	**Amphibious Air Traffic Control Center Operations**
CIN	C-222-2019
Model Manager ..	NATTC Pensacola
Description	This course provides operators with operational procedures for the AATC systems.
Location	NATTC Pensacola
Length	40 days

RFT date	Currently available
Skill identifier.....	AC 6903
TTE/TD.....	Refer to Part IV.A.1
Prerequisites	C-222-2010, Air Traffic Controller

Note: Officers filling billets with Navy Officer Billet Classification (NOBC) 8658 will attend the first three weeks of the six week AATC DAIR operators course, C-222-2019. Officer students do not impact the instructor-student ratio.

Title	**AN/TPX42A(V)13 Shipboard DAIR Maintenance Technician Pipeline**
CIN	C-103-2055, Path: 2
Model Manager ..	NATTC Pensacola
Description	This course provides instruction on the organizational maintenance of the DAIR.
Location	NATTC Pensacola
Length	131 days
RFT date	Currently available
Skill identifier.....	ET 1568
TTE/TD.....	Refer to Part IV.A.1
Prerequisite.....	A-100-0138, Electronics Technician Core A School A-100-0140, Electronics Technician Strand A School

Title	**AN/TPX42A(V)14 Shipboard DAIR Maintenance Technician Pipeline**
CIN	C-103-20XX
Model Manager ..	NATTC Pensacola
Description	This course will provide instruction on the organizational maintenance of the DAIR.
Location	NATTC Pensacola
Length	89 days
RFT date	Fourth quarter FY01

Skill identifier..... ET 15XX

TTE/TD..... Refer to Part IV.A.1

Prerequisite..... A-100-0138, Electronics Technician Core A School
A-100-0140, Electronics Technician Strand A School

c. Student Profiles

SKILL IDENTIFIER	PREREQUISITE SKILL AND KNOWLEDGE REQUIREMENTS
ET 1568, 15XX	A-100-0138, Electronics Technician Core A School A-100-0140, Electronics Technician Strand A School
AC 6902 and 6903	C-222-2010, Air Traffic Controller

d. Training Pipelines

(1) C-103-2055, AN/TPX-42A(V)13 Shipboard DAIR Maintenance Technician Pipeline. There are no required changes to the course, C-103-2054.

(2) C-103-20XX, AN/TPX42A(V)14 Shipboard DAIR Maintenance Technician Pipeline. A new course C-103-20XX will be established and begin training in fourth quarter FY01 to include AN/TPX-42A(V)14 familiarization, maintenance, and operation. Upon completion of the pipeline course, personnel will receive NEC 15XX. The course length will be 9 weeks. The course pipeline will be 13 weeks.

I. ON-BOARD (IN-SERVICE) TRAINING

1. Proficiency or Other Training Organic to the New Development

a. Maintenance Training Improvement Program. The Maintenance Training Improvement Program (MTIP) is used to establish an effective and efficient training system responsive to fleet training requirements. MTIP is a training management tool that, through diagnostic testing, identifies individual training deficiencies at the organizational and intermediate levels of maintenance. MTIP is the comprehensive testing of one's knowledge. It consists of a bank of test questions managed through automated data processing. The Deputy Chief of Staff for Training assisted in development of MTIP by providing those question banks (software) already developed by the Navy. MTIP was implemented per OPNAVINST 4790.2 series. MTIP allows increased effectiveness in the application of training resources through identification of skills and knowledge deficiencies at the activity, work center, or individual technician level.

Refresher training is concentrated where needed to improve identified skill and knowledge shortfalls. (MTIP will be replaced by Aviation Maintenance In-Service Training (AMIST) at a date to be determined).

b. Aviation Maintenance In-Service Training. AMIST is intended to support the Fleet training requirements now satisfied by MTIP, and in that sense is the planned replacement. However, it is structured very differently, and will function as an integral part of the new Aviation Maintenance Training Continuum System (AMTCS) that will replace the existing aviation maintenance training structure. AMIST will provide standardized instruction to bridge the training gaps between initial and career training. With implementation of AMIST, technicians will be provided the training required to maintain a level of proficiency necessary to effectively perform the required tasks to reflect career progression.

c. Aviation Maintenance Training Continuum System. AMTCS will redesign the aviation training process (training continuum), and introduce Computer-Based Training (CBT) throughout the Navy technical training process. The application and adoption of recent advances in computer hardware and software technology will enable CBT, with its basic elements of Computer Managed Instruction, Computer Aided Instruction, and Interactive Courseware, to be integrated into the training continuum and provide essential support for standardizing technical training.

2. Personnel Qualification Standards. The CV/CVN CATCC Personnel Qualification Standards (PQS) NAVEDTRA 43496-6A was approved in October 1987.

3. Other On-Board or In-Service Training Packages. NA

J. LOGISTICS SUPPORT

1. Manufacturer and Contract Numbers

CONTRACT NUMBER	MANUFACTURER	ADDRESS
N00039-81-C-016J, N00039-84-C-0334, N00039-84-C-0411, N00019-90-C-0219	Telephonics Corporation, Command Systems Division (formerly Eaton Corporation, Command Systems Division)	815 Broad Hollow Road Farmingdale, NY 11735
N00421-97-C-1434	Marconi	6500 Tracor Lane Austin, TX 78725-2050

2. Program Documentation. The Integrated Logistics Support Plan (ILSP) for the AN/TPX-42A(V)12 is NAVAIR ATC ILSP-0007 (Revision 2), dated February 1992. The Operational Logistics Support Summary (OLSS) for the AN/TPX-42A(V)8 is SPAWAR

P4110.524, dated January 1985. The AN/TPX-42A(V)12 ILSP will be updated to incorporate the AN/TPX-42A(V)13 and AN/TPX-42A(V)14 configurations and is expected to be completed by December 1999.

3. Technical Data Plan. Planned Maintenance System documentation for AATC DAIR has been developed by NAWCAD St. Inigoes. NAWCAD St. Inigoes has developed operator's manuals for AATC DAIR. The technical documentation, including maintenance and troubleshooting procedures, logic flow diagrams, illustrated parts breakdown, and performance and maintenance standards for each assembly of the AATC DAIR System is available in manuscript format. Documentation for equipment utilized with other DAIR configurations [e.g., AN/UYK-44(V), AN/USH-26(V)] is currently available. A detailed listing of publications is contained in Section IV.B.4 of this NTSP. Technical manuals will conform to MIL-STD-15071H and MIL-M-38784A. Final AN/TPX-42A(V)12 and AN/TPX-42A(V)13 configuration manuals were procured under contract N00019-90-C-0219. A 65 percent in-process review was held in May 1992. The manufacturer delivers two sets of manuals with each system. The AN/TPX-42A(V)14 manuals will be delivered after installation of the system is complete.

4. Test Sets, Tools, and Test Equipment. The AN/TPM-32 VSP Test set is Special Purpose Electronic Test Equipment (SPETE) required for the CP-1318. Refer to Part IV.A.1 for applicable TTE for CATC DAIR and AATC DAIR systems.

5. Repair Parts. The CATCC and AATC DAIR Systems will be supported through Naval Inventory Control Point (NAVICP), Mechanicsburg, Pennsylvania. The AN/TPX-42A(V)14 proposed Material Support Date is March 2002. The common DAIR equipment is already under NAVICP support. The existing AN/TPX-42A(V)8 systems are supported by NAVICP, which has program support responsibilities. Acquisition and supply support procedures are listed in the AN/TPX-42A(V)8 OLSS NAVELEX P4110.524 dated January 1985.

6. Human Systems Integration. NA

K. SCHEDULES

1. Installation and Delivery Schedules

INSTALLATION SCHEDULE OF THE AN/TPX-142A(V)14

ACTIVITY	FY99	FY00	FY01	FY02	FY03	FY04	FY05 AND BEYOND
CVN-72	1						
CVN-69				1			
CVN-76	1						
CVN-68	1						

ACTIVITY	FY99	FY00	FY01	FY02	FY03	FY04	FY05 AND BEYOND
LHA1	1						
Integrated Combat System Test Facility (ICSTF)		1					
NATTC Pensacola			1				
CV-67			1				
CVN-70				1			
CVN-71				1			
LHD-1					1		
LHD-2							1
CVN-74					1		
CVN-73					1		
CVN-65						1	
LHD-4							1
CV-63							1
LHD-3						1	
CVN-75							1
LHD-6							1
LHA-2							1
LHD-5							1
LHA-3							1
LHA-4							1
LHA-5							1
NAWCAD							1
NATTC							1
ICSTF							1

2. Ready For Operational Use Schedule. The AN/TPX-42A(V)14 is ready for operational use at each activity upon completion of installation.

3. Time Required to Install at Operational Sites. Time required to install AN/TPX-42A(V)14 on ships with the AN/TPX-42A(V)8 and AN/TPX-42A(V)12s is three months. Installation time required on ships with AN/TPX-42A(V)13 is three weeks.

4. Foreign Military Sales and Other Source Delivery Schedule. NA

5. Training Device and Technical Training Equipment Delivery Schedule. All upgrades of the AN/TPX-42A(V)8, AN/TPX-42A(V)12, and AN/TPX-42A(V)13 to the AN/TPX-42A(V)14 are expected to be completed in FY01.

L. GOVERNMENT FURNISHED EQUIPMENT AND CONTRACTOR FURNISHED EQUIPMENT TRAINING REQUIREMENTS. NA

M. RELATED NTSPs AND OTHER APPLICABLE DOCUMENTS

DOCUMENT OR NTSP TITLE	DOCUMENT OR NTSP NUMBER	PDA CODE	STATUS
AN/SPN-43 Systems Navy Training Plan (NTP)	E-50-8503	PMA213	Approved May 1994
AN/TPX-42A(V)5, 10 NTP	E-50-7005E	PMA213	Approved January 1994
AN/TPX-42A(V)8, 12, 13 NTP	E-50-8502A/A	PMA213	Approved August 1993
AN/FPN-63 NTP	E-50-7404E/A	PMA213	Approved February 1991
CV/CVN CATCC PQS	NAVEDTRA 43496-6A		October 1987
AN/TPX-42A(V)12	NAVAIR ATC ILSP-0007 (Revision 2)	PMA213	Approved February 1992
Operational Logistics Support Summary AN/TPX-42A(V)8	SPAWAR P4110.524	PMA213	Approved January 1985

PART II - BILLET AND PERSONNEL REQUIREMENTS

The following elements are not affected by the Carrier Air Traffic Control Center Direct Altitude and Identity Readout and Amphibious Air Traffic Control Direct Altitude and Identity Readout and, therefore, are not included in Part II of this NTSP:

II.A. Billet Requirements

II.A.2.a. Operational and Fleet Support Activity Deactivation Schedule

PART II - BILLET AND PERSONNEL REQUIREMENTS

II.A. BILLET REQUIREMENTS

II.A.1.a. OPERATIONAL AND FLEET SUPPORT ACTIVITY ACTIVATION SCHEDULE

SOURCE: PMA213 and Total Force Manpower Management System **DATE:** 11/1/98

ACTIVITY, UIC		PFYs	CFY99	FY00	FY01	FY02	FY03
OPERATIONAL ACTIVITIES - NAVY							
CV-67 USS John F. Kennedy	03367	1	0	0	0	0	0
CVN-65 USS Enterprise	03365	1	0	0	0	0	0
CVN-68 USS Nimitz	03368	1	0	0	0	0	0
CVN-69 USS Eisenhower	03369	1	0	0	0	0	0
CVN-71 USS Roosevelt	21247	1	0	0	0	0	0
CVN-73 USS George Washington	21412	1	0	0	0	0	0
CVN-74 USS Harry S. Truman	21853	1	0	0	0	0	0
LHA-2 USS Saipan	20632	1	0	0	0	0	0
LHA-4 USS Nassau	20725	1	0	0	0	0	0
LHD-1 USS Wasp	21560	1	0	0	0	0	0
LHD-3 USS Kearsarge	21700	1	0	0	0	0	0
LHD-5 USS Bataan	21879	1	0	0	0	0	0
NAS Cecil Field, Florida	60200	1	0	0	0	0	0
NAS Jacksonville, Florida	00207	1	0	0	0	0	0
COMNAVAIRPAC	57025	1	0	0	0	0	0
CV-63 USS Kitty Hawk	03363	1	0	0	0	0	0
CVN-70 USS Vinson	20993	1	0	0	0	0	0
CVN-72 USS Abraham Lincoln	21297	1	0	0	0	0	0
CVN-74 USS John C. Stennis	21847	1	0	0	0	0	0
FACSFAC Pearl Harbor, Hawaii	43583	1	0	0	0	0	0
FACSFAC San Diego, California	09528	1	0	0	0	0	0
LHA-1 USS Tarawa	20550	1	0	0	0	0	0
LHA-3 USS Belleau Wood	20633	1	0	0	0	0	0
LHA-5 USS Peleliu	20748	1	0	0	0	0	0
LHD-2 USS Essex	21533	1	0	0	0	0	0
LHD-4 USS Boxer	21808	1	0	0	0	0	0
LHD-6 USS Bonhomme Richard	22202	1	0	0	0	0	0
LHD-7 USS Iwo Jima	23027	1	0	0	0	0	0
MCS-12 USS Inchon	20009	1	0	0	0	0	0
NAS Lemoore, California	63042	1	0	0	0	0	0
NAS North Island ALF Clemens Island	31466	1	0	0	0	0	0
TOTAL:		31	0	0	0	0	0
FLEET SUPPORT ACTIVITIES - NAVY							
COMNAVSAFECEN AVIA SAFETY	48570	1	0	0	0	0	0
EWTGLANT Little Creek GST	42152	1	0	0	0	0	0
FTSCLANT Norfolk, Virginia	65912	1	0	0	0	0	0
NESEA Saint Inigoes, Maryland	47018	1	0	0	0	0	0
FASOTRAGRUPAC DET Ship Training Team	35947	1	0	0	0	0	0
TOTAL:		5	0	0	0	0	0

Note: Some activities listed above have CATCC and AATC DAIR manpower but do not appear on the delivery schedule to receive CATCC or AATC DAIR assets.

II.A.1.b. BILLETS REQUIRED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES

ACTIVITY, UIC, PHASING INCREMENT	BILLETS OFF	BILLETS ENL	DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
OPERATIONAL ACTIVITIES - NAVY					
CV-67 USS John F. Kennedy, 03367					
ACDU	0	1	ACC	6902	
	0	3	AC1	6902	
	0	11	AC2	6902	
	0	5	AC3	6902	
	0	1	ET1	1576	
	0	2	ET3	1576	
TAR	0	1	AC1	6902	
	0	1	AC3	6902	
CV-67 USS John F. Kennedy, 03367, FY01 Increment					
SELRES	0	1	AC2	6902	
	0	1	AC3	6902	
CV-67 USS John F. Kennedy, 03367, FY02 Increment					
ACDU	0	1	ET1	15XX	
	0	2	ET3	15XX	
ACTIVITY TOTAL:	0	30			
CVN-65 USS Enterprise, 03365					
ACDU	0	2	ACCS	6902	
	0	1	ACC	6902	
	0	4	AC1	6902	
	0	11	AC2	6902	
	0	6	AC3	6902	
	0	1	ET1	1568	
	0	2	ET3	1568	
CVN-65 USS Enterprise, 03365, FY01 Increment					
ACDU	0	1	ET1	15XX	
	0	2	ET3	15XX	
ACTIVITY TOTAL:	0	30			
CVN-68 USS Nimitz, 03368					
ACDU	0	1	ACCS	6902	
	0	1	ACC	6902	
	0	5	AC1	6902	
	0	10	AC2	6902	
	0	6	AC3	6902	
	0	1	ET1	1568	
	0	2	ET3	1568	
SELRES	0	1	AC3	6902	

II.A.1.b. BILLETS REQUIRED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES

ACTIVITY, UIC, PHASING INCREMENT	BILLETS OFF	BILLETS ENL	DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
CVN-68 USS Nimitz, 03368, FY01 Increment					
ACDU	0	1	ET1	15XX	
	0	2	ET3	15XX	
ACTIVITY TOTAL:	0	30			
CVN-69 USS Eisenhower, 03369					
ACDU	0	1	ACCS	6902	
	0	1	ACC	6902	
	0	4	AC1	6902	
	0	11	AC2	6902	
	0	6	AC3	6902	
	0	2	ET3	1576	
SELRES	0	1	ET1	1576	
CVN-69 USS Eisenhower, 03369, FY02 Increment					
ACDU	0	2	ET3	15XX	
SELRES	0	1	ET1	15XX	
ACTIVITY TOTAL:	0	29			
CVN-71 USS Roosevelt, 21247					
ACDU	0	1	ACCS	6902	
	0	1	ACC	6902	
	0	4	AC1	6902	
	0	11	AC2	6902	
	0	6	AC3	6902	
	0	1	ET1	1576	
	0	2	ET3	1576	
CVN-71 USS Roosevelt, 21247, FY01 Increment					
ACDU	0	1	ET1	15XX	
	0	2	ET3	15XX	
ACTIVITY TOTAL:	0	29			
CVN-73 USS George Washington, 21412					
ACDU	0	1	ACCS	6902	
	0	1	ACC	6902	
	0	4	AC1	6902	
	0	11	AC2	6902	
	0	5	AC3	6902	
	0	1	ET1	1576	
	0	2	ET3	1576	
SELRES	0	1	AC3	6902	

II.A.1.b. BILLETS REQUIRED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES

ACTIVITY, UIC, PHASING INCREMENT	BILLETS OFF	BILLETS ENL	DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
CVN-73 USS George Washington, 21412, FY03 Increment					
ACDU	0	1	ET1	15XX	
	0	2	ET3	15XX	
ACTIVITY TOTAL:	0	29			
CVN-74 USS Harry S. Truman, 21853					
ACDU	0	1	ACCS	6902	
	0	1	ACC	6902	
	0	4	AC1	6902	
	0	11	AC2	6902	
	0	6	AC3	6902	
	0	1	ET1	1568	
	0	2	ET3	1568	
CVN-74 USS Harry S. Truman, 21853, FY04 Increment					
ACDU	0	1	ET1	15XX	
	0	2	ET3	15XX	
ACTIVITY TOTAL:	0	29			
LHA-2 USS Saipan, 20632					
ACDU	0	1	ACC	6903	
	0	7	AC2	6903	
	0	3	AC3	6903	
	0	1	ET2	9602	1568
	0	1	ET3	9602	1568
LHA-2 USS Saipan, 20632, FY04 Increment					
ACDU	0	1	ET2	9602	15XX
	0	1	ET3	9602	15XX
ACTIVITY TOTAL:	0	15			
LHA-4 USS Nassau, 20725					
ACDU	0	1	ACC	6903	
	0	7	AC2	6903	
	0	3	AC3	6903	
	0	1	ET2	9602	1568
	0	1	ET3	9602	1568
LHA-4 USS Nassau, 20725, FY04 Increment					
ACDU	0	1	ET2	9602	15XX
	0	1	ET3	9602	15XX
ACTIVITY TOTAL:	0	15			

II.A.1.b. BILLETS REQUIRED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES

ACTIVITY, UIC, PHASING INCREMENT	BILLETS OFF	BILLETS ENL	DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
LHD-1 USS Wasp, 21560					
ACDU	0	1	ACC	6903	
	0	7	AC2	6903	
	0	3	AC3	6903	
	0	1	ET2	9602	1568
	0	1	ET3	1568	
LHD-1 USS Wasp, 21560, FY03 Increment					
ACDU	0	1	ET2	9602	15XX
	0	1	ET3	15XX	
ACTIVITY TOTAL:	0	15			
LHD-3 USS Kearsarge, 21700					
ACDU	0	1	ACC	6903	
	0	7	AC2	6903	
	0	3	AC3	6903	
	0	1	ET2	9602	1568
	0	1	ET3	1568	
LHD-3 USS Kearsarge, 21700, FY03 Increment					
ACDU	0	1	ET2	9602	15XX
	0	1	ET3	15XX	
ACTIVITY TOTAL:	0	15			
LHD-5 USS Bataan, 21879					
ACDU	0	1	ACC	6903	
	0	7	AC2	6903	
	0	3	AC3	6903	
	0	1	ET2	9602	1568
	0	1	ET3	1568	
LHD-5 USS Bataan, 21879, FY04 Increment					
ACDU	0	1	ET2	9602	15XX
	0	1	ET3	15XX	
ACTIVITY TOTAL:	0	15			
NAS Cecil Field, Florida, 60200					
ACDU	0	1	ACCS	6902	
	0	3	ACC	6902	
	0	11	AC1	6902	
ACTIVITY TOTAL:	0	15			

II.A.1.b. BILLETS REQUIRED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES

ACTIVITY, UIC, PHASING INCREMENT	BILLETS OFF	BILLETS ENL	DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
NAS Jacksonville, Florida, 00207					
ACDU	0	1	ACCS	6901	6902
	0	2	ACC	6901	6902
	0	20	AC1	6901	6902
	0	18	AC2	6901	6902
	0	10	AC3	6901	6902
ACTIVITY TOTAL:	0	51			
COMNAVAIRPAC, 57025					
ACDU	0	1	ACCS	6902	
ACTIVITY TOTAL:	0	1			
CV-63 USS Kitty Hawk, 03363					
ACDU	0	1	ACC	6902	
	0	4	AC1	6902	
	0	11	AC2	6902	
	0	6	AC3	6902	
	0	1	ET1	1568	
	0	2	ET3	1568	
ACTIVITY TOTAL:	0	25			
CVN-70 USS Vinson, 20993					
ACDU	0	1	ACCS	6902	
	0	1	ACC	6902	
	0	4	AC1	6902	
	0	11	AC2	6902	
	0	6	AC3	6902	
	0	1	ET1	1568	
	0	2	ET3	1568	
CVN-70 USS Vinson, 20993, FY01 Increment					
ACDU	0	1	ET1	15XX	
	0	2	ET3	15XX	
ACTIVITY TOTAL:	0	29			
CVN-72 USS Abraham Lincoln, 21297					
ACDU	0	1	ACCS	6902	
	0	1	ACC	6902	
	0	4	AC1	6902	
	0	11	AC2	6902	
	0	6	AC3	6902	
	0	1	ET1	1568	
	0	2	ET3	1568	

Note: The USS Kitty Hawk's billets will change in FY05, which will be in future updates of the CATCC and ATCC DAIR NTSP.

Note: All ACs with primary or secondary NEC 6902 have to be accounted for to accurately calculate projected AC 6902 student throughput.

II.A.1.b. BILLETS REQUIRED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES

ACTIVITY, UIC, PHASING INCREMENT	BILLETS OFF	BILLETS ENL	DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
CVN-72 USS Abraham Lincoln, 21297, FY01 Increment					
ACDU	0	1	ET1	15XX	
	0	2	ET3	15XX	
ACTIVITY TOTAL:	0	29			
CVN-74 USS John C. Stennis, 21847					
ACDU	0	1	ACCS	6902	
	0	1	ACC	6902	
	0	4	AC1	6902	
	0	11	AC2	6902	
	0	6	AC3	6902	
	0	1	ET1	1568	
	0	2	ET3	1568	
CVN-74 USS John C. Stennis, 21847, FY04 Increment					
ACDU	0	1	ET1	15XX	
	0	2	ET3	15XX	
ACTIVITY TOTAL:	0	29			
FACSFAC Pearl Harbor, Hawaii, 43583					
ACDU	0	4	AC1	6902	
ACTIVITY TOTAL:	0	4			
FACSFAC San Diego, California, 09528					
ACDU	0	1	ACC	6902	
ACTIVITY TOTAL:	0	1			
LHA-1 USS Tarawa, 20550					
ACDU	0	1	ACC	6903	
	0	7	AC2	6903	
	0	3	AC3	6903	
	0	1	ET2	9602	1568
	0	1	ET3	9602	1568
LHA-1 USS Tarawa, 20550, FY01 Increment					
ACDU	0	1	ET2	9602	15XX
	0	1	ET3	9602	15XX
ACTIVITY TOTAL:	0	15			
LHA-3 USS Belleau Wood, 20633					
ACDU	0	1	ACC	6903	
	0	7	AC2	6903	
	0	3	AC3	6903	

II.A.1.b. BILLETS REQUIRED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES

ACTIVITY, UIC, PHASING INCREMENT	BILLETS OFF	BILLETS ENL	DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
ACDU	0	1	ET2	9602	1568
	0	1	ET3	9602	1568
LHA-3 USS Belleau Wood, 20633, FY04 Increment					
ACDU	0	1	ET2	9602	15XX
	0	1	ET3	9602	15XX
ACTIVITY TOTAL:	0	15			
LHA-5 USS Peleliu, 20748					
ACDU	0	1	ACC	6903	
	0	7	AC2	6903	
	0	3	AC3	6903	
	0	1	ET2	9602	1568
	0	1	ET3	9602	1568
LHA-5 USS Peleliu, 20748, FY04 Increment					
ACDU	0	1	ET2	9602	15XX
	0	1	ET3	9602	15XX
ACTIVITY TOTAL:	0	15			
LHD-2 USS Essex, 21533					
ACDU	0	1	ACC	6903	
	0	7	AC2	6903	
	0	3	AC3	6903	
	0	1	ET2	9602	1568
	0	1	ET3	1568	
LHD-2 USS Essex, 21533, FY04 Increment					
ACDU	0	1	ET2	9602	15XX
	0	1	ET3	15XX	
ACTIVITY TOTAL:	0	15			
LHD-4 USS Boxer, 21808					
ACDU	0	1	ACC	6903	
	0	7	AC2	6903	
	0	3	AC3	6903	
	0	1	ET2	9602	1568
	0	1	ET3	1568	
LHD-4 USS Boxer, 21808, FY04 Increment					
ACDU	0	1	ET2	9602	15XX
	0	1	ET3	15XX	
ACTIVITY TOTAL:	0	15			

II.A.1.b. BILLETS REQUIRED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES

ACTIVITY, UIC, PHASING INCREMENT	BILLETS OFF	BILLETS ENL	DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
LHD-6 USS Bonhomme Richard, 22202					
ACDU	0	1	ACC	6903	
	0	9	AC2	6903	
	0	1	AC3	6903	
	0	1	ET2	9602	1568
	0	1	ET3	1568	
LHD-6 USS Bonhomme Richard, 22202, FY04 Increment					
ACDU	0	1	ET2	9602	15XX
	0	1	ET3	15XX	
ACTIVITY TOTAL:	0	15			
LHD-7, 23027					
ACDU	0	1	ACC	6903	
	0	1	AC1	6903	
	0	7	AC2	6903	
	0	3	AC3	6903	
	0	1	ET2	9602	1568
	0	1	ET3	1568	
ACTIVITY TOTAL:	0	14			
MCS-12 USS Inchon, 20009					
ACDU	0	1	ACC	6903	
	0	1	AC2	6903	
TAR	0	2	AC2	6903	
SELRES	0	2	AC2	6903	
	0	1	AC3	6903	
ACTIVITY TOTAL:	0	7			
NAS Lemoore, California, 63042					
ACDU	0	1	ACCM	6901	6902
ACTIVITY TOTAL:	0	1			
NAS North Island ALF Clemens Island, 31466					
ACDU	0	1	ACCM	6902	
	0	2	ACC	6902	
	0	4	AC1	6902	
	0	10	AC2	6902	
	0	7	AC3	6902	
	0	2	ACAN	6902	
ACTIVITY TOTAL:	0	26			

II.A.1.b. BILLETS REQUIRED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES

ACTIVITY, UIC, PHASING INCREMENT	BILLETS OFF	BILLETS ENL	DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
FLEET SUPPORT ACTIVITIES - NAVY					
COMNAVSAFECEN AVIA SAFETY, 48570					
ACDU	0	1	ACCS	6902	
ACTIVITY TOTAL:	0	1			
EWTGLANT Little Creek GST, 42152					
ACDU	0	1	AC1	6903	9502
ACTIVITY TOTAL:	0	1			
FTSCLANT Norfolk, Virginia, 65912					
ACDU	0	1	ETC	1568	1507
FTSCLANT Norfolk, Virginia, 65912, FY01 Increment					
ACDU	0	1	ETC	15XX	1507
ACTIVITY TOTAL:	0	2			
NAWCAD Saint Inigoes, Maryland, 47018					
ACDU	0	1	ACCM	6902	
	0	2	ACC	6902	
ACTIVITY TOTAL:	0	3			
FASOTRAGRUPAC DET Ship Training Team, 35947					
ACDU	0	1	ACCS	6902	
ACTIVITY TOTAL:	0	1			

II.A.1.c. TOTAL BILLETS REQUIRED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES

DESIG/ RATING	PNEC/SNEC PMOS/SMOS		PFYs OFF	PFYs ENL	CFY99 OFF	CFY99 ENL	FY00 OFF	FY00 ENL	FY01 OFF	FY01 ENL	FY02 OFF	FY02 ENL	FY03 OFF	FY03 ENL
NAVY OPERATIONAL ACTIVITIES - ACDU														
ACCM	6901	6902		1		0		0		0		0		0
ACCM	6902			1		0		0		0		0		0
ACCS	6901	6902		1		0		0		0		0		0
ACCS	6902			12		0		0		0		0		0
ACC	6901	6902		2		0		0		0		0		0
ACC	6902			17		0		0		0		0		0
ACC	6903			13		0		0		0		0		0
AC1	6901	6902		20		0		0		0		0		0
AC1	6902			63		0		0		0		0		0
AC1	6903			1		0		0		0		0		0
AC2	6901	6902		18		0		0		0		0		0
AC2	6902			130		0		0		0		0		0
AC2	6903			87		0		0		0		0		0
AC3	6901	6902		10		0		0		0		0		0
AC3	6902			71		0		0		0		0		0
AC3	6903			34		0		0		0		0		0
ACAN	6902			2		0		0		0		0		0
ET1	15XX			0		0		0		5		1		1
ET1	1568			7		0		0		0		0		0
ET1	1576			3		0		0		0		0		0
ET2	9602	15XX		0		0		0		1		0		2
ET2	9602	1568		12		0		0		0		0		0
ET3	15XX			0		0		0		10		4		4
ET3	1568			21		0		0		0		0		0
ET3	1576			8		0		0		0		0		0
ET3	9602	15XX		0		0		0		1		0		0
ET3	9602	1568		5		0		0		0		0		0
NAVY OPERATIONAL ACTIVITIES - TAR														
AC1	6902			1		0		0		0		0		0
AC2	6903			2		0		0		0		0		0
AC3	6902			1		0		0		0		0		0
NAVY OPERATIONAL ACTIVITIES - SELRES														
AC2	6902			0		0		0		1		0		0
AC2	6903			2		0		0		0		0		0
AC3	6902			2		0		0		1		0		0
AC3	6903			1		0		0		0		0		0
ET1	15XX			0		0		0		0		1		0
ET1	1576			1		0		0		0		0		0
NAVY FLEET SUPPORT ACTIVITIES - ACDU														
ACCM	6902			1		0		0		0		0		0
ACCS	6902			2		0		0		0		0		0
ACC	6902			2		0		0		0		0		0
AC1	6903	9502		1		0		0		0		0		0
ETC	15XX	1507		0		0		0		1		0		0
ETC	1568	1507		1		0		0		0		0		0

II.A.1.c. TOTAL BILLETS REQUIRED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES

DESIG/ RATING	PNEC/SNEC PMOS/SMOS	PFYs OFF	PFYs ENL	CFY99 OFF	CFY99 ENL	FY00 OFF	FY00 ENL	FY01 OFF	FY01 ENL	FY02 OFF	FY02 ENL	FY03 OFF	FY03 ENL
SUMMARY TOTALS:													
NAVY OPERATIONAL ACTIVITIES - ACDU	539			0		0		17		5		7	
NAVY OPERATIONAL ACTIVITIES - TAR	4			0		0		0		0		0	
NAVY OPERATIONAL ACTIVITIES - SELRES	6			0		0		2		1		0	
NAVY FLEET SUPPORT ACTIVITIES - ACDU	7			0		0		1		0		0	
GRAND TOTALS:													
NAVY - ACDU	546			0		0		18		5		7	
NAVY - TAR	4			0		0		0		0		0	
NAVY - SELRES	6			0		0		2		1		0	

II.A.2.b. BILLETS TO BE DELETED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES

ACTIVITY, UIC, PHASING INCREMENT	BILLETS OFF	BILLETS ENL	DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
OPERATIONAL ACTIVITIES - NAVY					
CV-67 USS John F. Kennedy, 03367, FY01 Increment					
ACDU	0	1	AC2	6902	
	0	1	AC3	6902	
CV-67 USS John F. Kennedy, 03367, FY02 Increment					
ACDU	0	1	ET1	1576	
	0	2	ET3	1576	
ACTIVITY TOTAL:	0	5			
CVN-65 USS Enterprise, 03365, FY01 Increment					
ACDU	0	1	ET1	1568	
	0	2	ET3	1568	
ACTIVITY TOTAL:	0	3			
CVN-68 USS Nimitz, 03368, FY00 Increment					
ACDU	0	1	AC3	6902	
CVN-68 USS Nimitz, 03368, FY01 Increment					
ACDU	0	1	ET1	1568	
	0	2	ET3	1568	
ACTIVITY TOTAL:	0	4			
CVN-69 USS Eisenhower, 03369, FY02 Increment					
ACDU	0	2	ET3	1576	
SELRES	0	1	ET1	1576	
ACTIVITY TOTAL:	0	3			
CVN-71 USS Roosevelt, 21247, FY01 Increment					
ACDU	0	1	ET1	1576	
	0	2	ET3	1576	
ACTIVITY TOTAL:	0	3			
CVN-73 USS George Washington, 21412, FY03 Increment					
ACDU	0	1	ET1	1576	
	0	2	ET3	1576	
ACTIVITY TOTAL:	0	3			
CVN-74 USS Harry S. Truman, 21853, FY04 Increment					
ACDU	0	1	ET1	1568	
	0	2	ET3	1568	
ACTIVITY TOTAL:	0	3			

II.A.2.b. BILLETS TO BE DELETED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES

ACTIVITY, UIC, PHASING INCREMENT	BILLETS OFF	BILLETS ENL	DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
LHA-2 USS Saipan, 20632, FY04 Increment					
ACDU	0	1	ET2	9602	1568
	0	1	ET3	9602	1568
ACTIVITY TOTAL:	0	2			
LHA-4 USS Nassau, 20725, FY04 Increment					
ACDU	0	1	ET2	9602	1568
	0	1	ET3	9602	1568
ACTIVITY TOTAL:	0	2			
LHD-1 USS Wasp, 21560, FY03 Increment					
ACDU	0	1	ET2	9602	1568
	0	1	ET3	1568	
ACTIVITY TOTAL:	0	2			
LHD-3 USS Kearsarge, 21700, FY03 Increment					
ACDU	0	1	ET2	9602	1568
	0	1	ET3	1568	
ACTIVITY TOTAL:	0	2			
LHD-5 USS Bataan, 21879, FY04 Increment					
ACDU	0	1	ET3	1568	
	0	1	ET3	9602	1568
ACTIVITY TOTAL:	0	2			
NAS Cecil Field, Florida, 60200, FY00 Increment					
ACDU	0	3	ACC	6902	
	0	11	AC1	6902	
ACTIVITY TOTAL:	0	14			
CVN-70 USS Vinson, 20993, FY01 Increment					
ACDU	0	1	ET1	1568	
	0	2	ET3	1568	
ACTIVITY TOTAL:	0	3			
CVN-72 USS Abraham Lincoln, 21297, FY01 Increment					
ACDU	0	1	ET1	1568	
ACDU	0	2	ET3	1568	
ACTIVITY TOTAL:	0	3			

II.A.2.b. BILLETS TO BE DELETED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES

ACTIVITY, UIC, PHASING INCREMENT	BILLETS OFF	BILLETS ENL	DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
CVN-74 USS John C. Stennis, 21847, FY04 Increment					
ACDU	0	1	ET1	1568	
	0	2	ET3	1568	
ACTIVITY TOTAL:	0	3			
LHA-1 USS Tarawa, 20550, FY01 Increment					
ACDU	0	1	ET2	9602	1568
	0	1	ET3	9602	1568
ACTIVITY TOTAL:	0	2			
LHA-3 USS Belleau Wood, 20633, FY04 Increment					
ACDU	0	1	ET2	9602	1568
	0	1	ET3	9602	1568
ACTIVITY TOTAL:	0	2			
LHA-5 USS Peleliu, 20748, FY04 Increment					
ACDU	0	1	ET2	9602	1568
	0	1	ET3	9602	1568
ACTIVITY TOTAL:	0	2			
LHD-2 USS Essex, 21533, FY04 Increment					
ACDU	0	1	ET2	9602	1568
	0	1	ET3	1568	
ACTIVITY TOTAL:	0	2			
LHD-4 USS Boxer, 21808, FY04 Increment					
ACDU	0	1	ET2	9602	1568
	0	1	ET3	1568	
ACTIVITY TOTAL:	0	2			
LHD-6 USS Bonhomme Richard, 22202, FY04 Increment					
ACDU	0	1	ET2	9602	1568
	0	1	ET3	1568	
ACTIVITY TOTAL:	0	2			
FLEET SUPPORT ACTIVITIES - NAVY					
FTSCLANT Norfolk, Virginia, 65912, FY01 Increment					
ACDU	0	1	ETC	1568	1507
ACTIVITY TOTAL:	0	1			

II.A.2.c. TOTAL BILLETS TO BE DELETED IN OPERATIONAL AND FLEET SUPPORT ACTIVITIES

DESIG/ RATING	PNEC/SNEC PMOS/SMOS	PFYs OFF	PFYs ENL	CFY99 OFF	CFY99 ENL	FY00 OFF	FY00 ENL	FY01 OFF	FY01 ENL	FY02 OFF	FY02 ENL	FY03 OFF	FY03 ENL
NAVY OPERATIONAL ACTIVITIES - ACDU													
ACC	6902		3		0		-3		0		0		0
AC1	6902		11		0		-11		0		0		0
AC2	6902		11		0		0		-1		0		0
AC3	6902		11		0		-1		-1		0		0
ET1	1568		4		0		0		-4		0		0
ET1	1576		3		0		0		-1		-1		-1
ET2	9602 1568		3		0		0		-1		0		-2
ET3	1568		10		0		0		-8		0		-2
ET3	1576		8		0		0		-2		-4		-2
ET3	9602 1568		1		0		0		-1		0		0
NAVY OPERATIONAL ACTIVITIES - SELRES													
ET1	1576		1		0		0		0		-1		0
NAVY FLEET SUPPORT ACTIVITIES - ACDU													
ETC	1568 1507		1		0		0		-1		0		0
SUMMARY TOTALS:													
NAVY OPERATIONAL ACTIVITIES - ACDU			65		0		-15		-19		-5		-7
NAVY OPERATIONAL ACTIVITIES - SELRES			1		0		0		0		-1		0
NAVY FLEET SUPPORT ACTIVITIES - ACDU			1		0		0		-1		0		0
GRAND TOTALS:													
NAVY - ACDU			66		0		-15		-20		-5		-7
NAVY - SELRES			1		0		0		0		-1		0

II.A.3. TRAINING ACTIVITIES INSTRUCTOR AND SUPPORT BILLET REQUIREMENTS

DESIG	PNEC/SNEC		PFYs		CFY99		FY00		FY01		FY02		FY03	
RATING	PMOS/SMOS		OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
TRAINING ACTIVITY, LOCATION, UIC: NATTC Pensacola, Florida, 63093														
INSTRUCTOR BILLETS														
ACDU														
ACC	6902	9502	0	6	0	6	0	6	0	6	0	6	0	6
ACC	6903	9502	0	2	0	2	0	2	0	2	0	2	0	2
AC1	6902	9502	0	18	0	18	0	18	0	18	0	18	0	18
AC1	6903	9502	0	5	0	5	0	5	0	5	0	5	0	5
AC2	6903	9502	0	3	0	3	0	3	0	3	0	3	0	3
ETCS	15XX	9502	0	0	0	0	0	0	0	0	0	1	0	1
ETCS	1568	9502	0	1	0	1	0	1	0	1	0	0	0	0
ETC	15XX	9502	0	0	0	0	0	0	0	0	0	1	0	1
ETC	1568	9502	0	1	0	1	0	1	0	1	0	0	0	0
ET1	15XX	9502	0	0	0	0	0	0	0	3	0	3	0	3
ET1	1568	9502	0	3	0	3	0	3	0	0	0	0	0	0
SUPPORT BILLETS														
ACDU														
ET1	1568	1580	0	1	0	1	0	1	0	0	0	0	0	0
ET1	15XX	1580	0	0	0	0	0	0	0	1	0	1	0	1
TOTAL:			0	40	0	40	0	40	0	40	0	40	0	40

II.A.4. CHARGEABLE STUDENT BILLET REQUIREMENTS

ACTIVITY, LOCATION, UIC	USN/ USMC	PFYs OFF	PFYs ENL	CFY99 OFF	CFY99 ENL	FY00 OFF	FY00 ENL	FY01 OFF	FY01 ENL	FY02 OFF	FY02 ENL	FY03 OFF	FY03 ENL
NATTC Pensacola, 63093													
	NAVY		15.4		15.4		15.4		17.2		15.7		15.5
SUMMARY TOTALS:													
	NAVY		15.4		15.4		15.4		17.2		15.7		15.5
GRAND TOTALS:													
			15.4		15.4		15.4		17.2		15.7		15.5

II.A.5. ANNUAL INCREMENTAL AND CUMULATIVE BILLETS

DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS	BILLET BASE	CFY99 +/-	CFY99 CUM	FY00 +/-	FY00 CUM	FY01 +/-	FY01 CUM	FY02 +/-	FY02 CUM	FY03 +/-	FY03 CUM
a. OFFICER - USN			NA										
b. ENLISTED - USN													
Operational Billets ACDU and TAR													
ACCM	6901	6902	1	0	1	0	1	0	1	0	1	0	1
ACCM	6902		1	0	1	0	1	0	1	0	1	0	1
ACCS	6901	6902	1	0	1	0	1	0	1	0	1	0	1
ACCS	6902		12	0	12	0	12	0	12	0	12	0	12
ACC	6901	6902	2	0	2	0	2	0	2	0	2	0	2
ACC	6902		17	0	17	-3	14	0	14	0	14	0	14
ACC	6903		13	0	13	0	13	0	13	0	13	0	13
AC1	6901	6902	20	0	20	0	20	0	20	0	20	0	20
AC1	6902		64	0	64	-11	53	0	53	0	53	0	53
AC1	6903		1	0	1	0	1	0	1	0	1	0	1
AC2	6901	6902	18	0	18	0	18	0	18	0	18	0	18
AC2	6902		130	0	130	0	130	-1	129	0	129	0	129
AC2	6903		89	0	89	0	89	0	89	0	89	0	89
AC3	6901	6902	10	0	10	0	10	0	10	0	10	0	10
AC3	6902		72	0	72	-1	71	-1	70	0	70	0	70
AC3	6903		34	0	34	0	34	0	34	0	34	0	34
ACAN	6902		2	0	2	0	2	0	2	0	2	0	2
ET1	15XX		0	0	0	0	0	5	5	1	6	1	7
ET1	1568		7	0	7	0	7	-4	3	0	3	0	3
ET1	1576		3	0	3	0	3	-1	2	-1	1	-1	0
ET2	9602	15XX	0	0	0	0	0	1	1	0	1	2	3
ET2	9602	1568	12	0	12	0	12	-1	11	0	11	-2	9
ET3	15XX		0	0	0	0	0	10	10	4	14	4	18
ET3	1568		21	0	21	0	21	-8	13	0	13	-2	11
ET3	1576		8	0	8	0	8	-2	6	-4	2	-2	0
ET3	9602	15XX	0	0	0	0	0	1	1	0	1	0	1
ET3	9602	1568	5	0	5	0	5	-1	4	0	4	0	4
Fleet Support Billets ACDU and TAR													
ACCM	6902		1	0	1	0	1	0	1	0	1	0	1

II.A.5. ANNUAL INCREMENTAL AND CUMULATIVE BILLETS

DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS	BILLET BASE	CFY99 +/-	CFY99 CUM	FY00 +/-	FY00 CUM	FY01 +/-	FY01 CUM	FY02 +/-	FY02 CUM	FY03 +/-	FY03 CUM
ACCS	6902		2	0	2	0	2	0	2	0	2	0	2
ACC	6902		2	0	2	0	2	0	2	0	2	0	2
AC1	6903	9502	1	0	1	0	1	0	1	0	1	0	1
ETC	15XX	1507	0	0	0	0	0	1	1	0	1	0	1
ETC	1568	1507	1	0	1	0	1	-1	0	0	0	0	0
Staff Billets ACDU and TAR													
ACC	6902	9502	6	0	6	0	6	0	6	0	6	0	6
ACC	6903	9502	2	0	2	0	2	0	2	0	2	0	2
AC1	6902	9502	18	0	18	0	18	0	18	0	18	0	18
AC1	6903	9502	5	0	5	0	5	0	5	0	5	0	5
AC2	6903	9502	3	0	3	0	3	0	3	0	3	0	3
ETCS	15XX	9502	0	0	0	0	0	0	0	0	1	0	1
ETCS	1568	9502	1	0	1	0	1	0	1	0	0	0	0
ETC	15XX	9502	0	0	0	0	0	0	0	0	1	0	1
ETC	1568	9502	1	0	1	0	1	0	1	0	0	0	0
ET1	15XX	9502	0	0	0	0	0	0	3	0	3	0	3
ET1	1568	9502	3	0	3	0	3	0	0	0	0	0	0
ET1	1568	1580	1	0	1	0	1	0	0	0	0	0	0
ET1	15XX	1580	0	0	0	0	0	0	1	0	1	0	1
Chargeable Student Billets ACDU and TAR													
			16	0	16	0	16	1	17	-1	16	0	16
SELRES Billets													
AC2	6902		0	0	0	0	0	1	1	0	1	0	1
AC2	6903		2	0	2	0	2	0	2	0	2	0	2
AC3	6902		2	0	2	0	2	1	3	0	3	0	3
AC3	6903		1	0	1	0	1	0	1	0	1	0	1
ET1	15XX		0	0	0	0	0	0	0	1	1	0	1
ET1	1576		1	0	1	0	1	0	1	-1	0	0	0
TOTAL USN ENLISTED BILLETS:													
Operational			543	0	543	-15	528	-2	526	0	526	0	526
Fleet Support			7	0	7	0	7	0	7	0	7	0	7
Staff			40	0	40	0	40	0	40	0	40	0	40
Chargeable Student			16	0	16	0	16	1	17	-1	16	0	16
SELRES			6	0	6	0	6	2	8	0	8	0	8

II.A.5. ANNUAL INCREMENTAL AND CUMULATIVE BILLETS

DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS	BILLET BASE	CFY99 +/-	CFY99 CUM	FY00 +/-	FY00 CUM	FY01 +/-	FY01 CUM	FY02 +/-	FY02 CUM	FY03 +/-	FY03 CUM
c. OFFICER - USMC			NA										
d. ENLISTED – USMC			NA										

II.B. PERSONNEL REQUIREMENTS

II.B.1. ANNUAL TRAINING INPUT REQUIREMENTS

CIN, COURSE TITLE: C-103-2055, AN/TPX-42A(V)13 Shipboard DAIR Maintenance Technician Pipeline
COURSE LENGTH: 19.0 Weeks **TOUR LENGTH:** 36 Months
ATTRITION FACTOR: Navy: 10% **BACKOUT FACTOR:** 0.38

TRAINING		ACDU/TAR	CFY99		FY00		FY01		FY02		FY03	
ACTIVITY	SOURCE	SELRES	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
NATTC Pensacola, Florida												
	NAVY	ACDU		11		11		9		7		6
		TOTAL:		11		11		9		7		6

CIN, COURSE TITLE: C-103-20XX, AN/TPX42(V)14 Shipboard DAIR Maintenance Technician Pipeline
COURSE LENGTH: 13.0 Weeks **TOUR LENGTH:** 36 Months
ATTRITION FACTOR: Navy: 10% **BACKOUT FACTOR:** 0.26

TRAINING		ACDU/TAR	CFY99		FY00		FY01		FY02		FY03	
ACTIVITY	SOURCE	SELRES	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
NATTC Pensacola												
	NAVY	ACDU		0		0		12		9		10
		TOTAL:		0		0		12		9		10

CIN, COURSE TITLE: C-222-2012, Carrier Air Traffic Control Center Operations
COURSE LENGTH: 6.0 Weeks **TOUR LENGTH:** 36 Months
ATTRITION FACTOR: Navy: 10% **BACKOUT FACTOR:** 0.12

TRAINING		ACDU/TAR	CFY99		FY00		FY01		FY02		FY03	
ACTIVITY	SOURCE	SELRES	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
NATTC Pensacola												
	NAVY	ACDU		83		83		80		79		79
		SELRES		0		0		0		1		0
		TOTAL:		83		83		80		80		79

CIN, COURSE TITLE: C-222-2019, Amphibious Air Traffic Control Center Operations
COURSE LENGTH: 6.0 Weeks **TOUR LENGTH:** 36 Months
ATTRITION FACTOR: Navy: 10% **BACKOUT FACTOR:** 0.12

TRAINING		ACDU/TAR	CFY99		FY00		FY01		FY02		FY03	
ACTIVITY	SOURCE	SELRES	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
NATTC Pensacola												
	NAVY	ACDU		29		29		29		29		29
		SELRES		0		0		0		1		0
		TOTAL:		29		29		29		30		29

PART III - TRAINING REQUIREMENTS

The following elements are not affected by the Carrier Air Traffic Control Center Direct Altitude and Identity Readout and Amphibious Air Traffic Control Direct Altitude and Identity Readout and, therefore, are not included in Part III of this NTSP:

III.A.2. Follow-on Training

III.A.2.c. Unique Courses

III.A.3. Existing Training Phased Out

PART III - TRAINING REQUIREMENTS

III.A.1. INITIAL TRAINING REQUIREMENTS

Note: NAWCAD St. Inigoes is providing the Initial Training for AN/TPX-42A(V)14. This training, which began October 1998, consists of difference training. This training is ongoing and is now being conducted at each command upon installation.

COURSE TITLE: AN/TPX-42A(V)14 Initial Maintenance
COURSE DEVELOPER: NAWCAD, St. Inigoes, Maryland
COURSE INSTRUCTOR: NAWCAD
COURSE LENGTH: 21 Days
ACTIVITY DESTINATIONS: ETs for CV, CVN, LHA, and LHD

LOCATION, UIC	BEGIN DATE	STUDENTS OFF	ENL	CIV	
NAWCAD, St. Inigoes, Maryland, 47018	Oct 98	TBD	TBD	TBD	Input
		TBD	TBD	TBD	AOB
		TBD	TBD	TBD	Chargeable

COURSE TITLE: AN/TPX-42A(V)14 Initial Operator
COURSE DEVELOPER: NAWCAD, St. Inigoes, Maryland
COURSE INSTRUCTOR: NAWCAD
COURSE LENGTH: 5 Days
ACTIVITY DESTINATIONS: ACs for CV, CVN, LHA, and LHD

LOCATION, UIC	BEGIN DATE	STUDENTS OFF	ENL	CIV	
NAWCAD, St. Inigoes, Maryland, 47018	Oct 98	TBD	TBD	TBD	Input
		TBD	TBD	TBD	AOB
		TBD	TBD	TBD	Chargeable

III.A.2. FOLLOW-ON TRAINING

III.A.2.a. EXISTING COURSES

CIN, COURSE TITLE: C-103-2055, AN/TPX-42A(V)13 Shipboard DAIR Maintenance Technician Pipeline
TRAINING ACTIVITY: NATTC
LOCATION, UIC: Pensacola, Florida, 63093

SOURCE: NAVY **STUDENT CATEGORY:** ACDU - TAR

CFY99		FY00		FY01		FY02		FY03		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
	11		11		9		7		6	ATIR
	10		10		8		6		5	Output
	3.8		3.8		3.1		2.4		2.0	AOB
	3.8		3.8		3.1		2.4		2.0	Chargeable

CIN, COURSE TITLE: C-222-2012, Carrier Air Traffic Control Center Operations
TRAINING ACTIVITY: NATTC
LOCATION, UIC: Pensacola, 63093

SOURCE: NAVY **STUDENT CATEGORY:** ACDU - TAR

CFY99		FY00		FY01		FY02		FY03		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
	83		83		80		79		79	ATIR
	75		75		72		71		71	Output
	8.6		8.6		8.3		8.2		8.2	AOB
	8.6		8.6		8.3		8.2		8.2	Chargeable

SOURCE: NAVY **STUDENT CATEGORY:** SELRES

CFY99		FY00		FY01		FY02		FY03		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
	0		0		0		1		0	ATIR
	0		0		0		1		0	Output
	0.0		0.0		0.0		0.1		0.0	AOB
	0.0		0.0		0.0		0.0		0.0	Chargeable

CIN, COURSE TITLE: C-222-2019, Amphibious Air Traffic Control Center Operations
TRAINING ACTIVITY: NATTC
LOCATION, UIC: Pensacola, 63093

SOURCE: NAVY **STUDENT CATEGORY:** ACDU - TAR

CFY99		FY00		FY01		FY02		FY03		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
	29		29		29		29		29	ATIR
	26		26		26		26		26	Output
	3.0		3.0		3.0		3.0		3.0	AOB
	3.0		3.0		3.0		3.0		3.0	Chargeable

III.A.2.a. EXISTING COURSES

SOURCE: NAVY **STUDENT CATEGORY:** SELRES

CFY99		FY00		FY01		FY02		FY03		
OFF	**ENL**	**OFF**	**ENL**	**OFF**	**ENL**	**OFF**	**ENL**	**OFF**	**ENL**	
	0		0		0		1		0	ATIR
	0		0		0		1		0	Output
	0.0		0.0		0.0		0.1		0.0	AOB
	0.0		0.0		0.0		0.0		0.0	Chargeable

III.A.2.b. PLANNED COURSES

CIN, COURSE TITLE: C-103-20XX, AN/TPX42(V)14 Shipboard DAIR Maintenance Technician Pipeline
TRAINING ACTIVITY: NATTC
LOCATION, UIC: Pensacola, 63093

SOURCE: NAVY **STUDENT CATEGORY:** ACDU - TAR

CFY99		FY00		FY01		FY02		FY03		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
	0		0		12		9		10	ATIR
	0		0		11		8		9	Output
	0.0		0.0		2.8		2.1		2.3	AOB
	0.0		0.0		2.8		2.1		2.3	Chargeable

PART IV - TRAINING LOGISTICS SUPPORT REQUIREMENTS

The following elements are not affected by the Carrier Air Traffic Control Center Direct Altitude and Identity Readout and Amphibious Air Traffic Control Direct Altitude and Identity Readout and, therefore, are not included in Part IV of this NTSP:

IV.C. Facility Requirements

IV.C.1. Facility Requirements Summary (Space/Support) by Activity

IV.C.2. Facility Requirements Detailed by Activity and Course

IV.C.3. Facility Project Summary by Program

PART IV - TRAINING LOGISTICS SUPPORT REQUIREMENTS

IV.A. TRAINING HARDWARE

IV.A.1. TTE / GPTE / SPTE / ST / GPETE / SPETE

CIN, COURSE TITLE: C-103-2055, AN/TPX-42A(V)13 Shipboard DAIR Maintenance Technician Pipeline
TRAINING ACTIVITY: NATTC
LOCATION, UIC: Pensacola, Florida, 63093

ITEM NO.	EQUIPMENT / TYPE OR RANGE OF REPAIR PARTS	QTY REQD	DATE REQD	GFE CFE	STATUS
TTE					
0010	Interrogator Set AN/UPX-27	2	Oct 98	GFE	Onboard
0011	Beacon Environment Generator	1	Oct 98	GFE	Onboard
0012	Data Processing System AN/UYK-44(V)	1	Oct 98	GFE	Onboard
0013	Prefaultable modules AN/UYK-44(V)	20	Oct 98	GFE	Onboard

CIN, COURSE TITLE: C-103-20XX, AN/TPX42(V)14 Shipboard DAIR Maintenance Technician Pipeline
TRAINING ACTIVITY: NATTC
LOCATION, UIC: Pensacola, 63093

ITEM NO.	EQUIPMENT / TYPE OR RANGE OF REPAIR PARTS	QTY REQD	DATE REQD	GFE CFE	STATUS
TTE					
0010	Interrogator Set AN/UPX-27	2	Jul 01	GFE	Pending
0011	Beacon Environment Generator	1	Jul 01	GFE	Pending
0012	Data Processing System AN/UYK-44(V)	1	Jul 01	GFE	Pending
0013	Prefaultable modules AN/UYK-44(V)	20	Jul 01	GFE	Pending

CIN, COURSE TITLE: C-222-2012, Carrier Air Traffic Control Center Operations
TRAINING ACTIVITY: NATTC
LOCATION, UIC: Pensacola, 63093

ITEM NO.	EQUIPMENT / TYPE OR RANGE OF REPAIR PARTS	QTY REQD	DATE REQD	GFE CFE	STATUS
TTE					
0001	Range Indicator	1	Oct 96	GFE	Onboard
0006	Overhead Projector	1	Oct 96	GFE	Onboard

IV.A.1. TTE / GPTE / SPTE / ST / GPETE / SPETE

0007	Video Reproducer(AG-1300P)	1	Oct 96	GFE	Onboard
0008	Projection Screen	1	Oct 96	GFE	Onboard
0009	Television Set(XL-100)	1	Oct 96	GFE	Onboard
ST					
0002	Plotting Board, Ship Status(617-1)	10	Oct 96	GFE	Onboard
0003	Headset, Microphone(SNC1436-01)	20	Oct 96	GFE	Onboard
0004	Headset-Chest Set, Electrical(SA7B)	2	Oct 96	GFE	Onboard
0005	Talk-A-Phone(K-AC-505)	3	Oct 96	GFE	Onboard

CIN, COURSE TITLE: C-222-2019, Amphibious Air Traffic Control Center Operations
TRAINING ACTIVITY: NATTC
LOCATION, UIC: Pensacola, 63093

ITEM NO.	EQUIPMENT / TYPE OR RANGE OF REPAIR PARTS	QTY REQD	DATE REQD	GFE CFE	STATUS
ST					
0002	Plotting Board, Ship Status(617-1)	05	Nov 98	GFE	Onboard
0003	Headset, Microphone(SNC1436-01)	16	Nov 98	GFE	Onboard

IV.A.2. TRAINING DEVICES

DEVICE: ILS System
DESCRIPTION: Computer Training device
MANUFACTURER: Unknown
CONTRACT NUMBER:
TEE STATUS: Completed

TRAINING ACTIVITY: NATTC
LOCATION, UIC : Pensacola, 63093

QTY REQD	DATE REQD	RFT DATE	STATUS	COURSES SUPPORTED
1	Oct 96	Oct 96	Onboard	C-222-2012 C-222-2019

IV.B. COURSEWARE REQUIREMENTS

IV.B.1. TRAINING SERVICES

COURSE / TYPE OF TRAINING	SCHOOL LOCATION, UIC	NO. OF PERSONNEL	MAN WEEKS REQUIRED	DATE BEGIN
AN/TPX-42A(V)14 Initial Maintenance	NAWCAD, St. Inigoes, Maryland, 47018	1	3	Jul 99
AN/TPX-42A(V)14 Initial Operator	NAWCAD, St. Inigoes, 47018	1	1	Jul 99

Note: NAWCAD St. Inigoes is providing the Initial Training (Training Services) for AN/TPX-42A(V)14. This training, which began October 1998, consists of difference training. This training is ongoing and is now being conducted at each command upon installation.

IV.B.2. CURRICULA MATERIALS AND TRAINING AIDS

CIN, COURSE TITLE: C-103-2055, AN/TPX-42A(V)13 Shipboard DAIR Maintenance Technician Pipeline
TRAINING ACTIVITY: NATTC
LOCATION, UIC: Pensacola, 63093

TYPES OF MATERIAL OR AID	QTY REQD	DATE REQD	STATUS
Instructor Guides	unlimited	Oct 98	Onboard
Lesson plans	6	Oct 98	Onboard
Schematic Packages	12	Oct 98	Onboard
Student Guides	12	Oct 98	Onboard

CIN, COURSE TITLE: C-103-20XX, AN/TPX42(V)14 Shipboard DAIR Maintenance Technician Pipeline
TRAINING ACTIVITY: NATTC
LOCATION, UIC: Pensacola, 63093

TYPES OF MATERIAL OR AID	QTY REQD	DATE REQD	STATUS
Instructor Guides	unlimited	Jul 01	Pending
Lesson plans	6	Jul 01	Pending
Schematic Packages	12	Jul 01	Pending
Student Guides	12	Jul 01	Pending

CIN, COURSE TITLE: C-222-2012, Carrier Air Traffic Control Center Operations
TRAINING ACTIVITY: NATTC
LOCATION, UIC: Pensacola, 63093

TYPES OF MATERIAL OR AID	QTY REQD	DATE REQD	STATUS
Instructor Guides	unlimited	Oct 96	Onboard
Lesson plans	unlimited	Oct 96	Onboard
Student Guides	unlimited	Oct 96	Onboard

CIN, COURSE TITLE: C-222-2019, Amphibious Air Traffic Control Center Operations
TRAINING ACTIVITY: NATTC
LOCATION, UIC: Pensacola, 63093

TYPES OF MATERIAL OR AID	QTY REQD	DATE REQD	STATUS
Instructor Guides	unlimited	Nov 98	Onboard
Lesson plans	unlimited	Nov 98	Onboard
Student Guides	unlimited	Nov 98	Onboard

Note: NATTC received curricula materials for courses C-222-2019 and C-222-2012 on diskette.

IV.B.3. TECHNICAL MANUALS

CIN, COURSE TITLE: C-103-2055, AN/TPX-42A(V)13 Shipboard DAIR Maintenance Technician Pipeline
TRAINING ACTIVITY: NATTC
LOCATION, UIC : Pensacola, 63093

TECHNICAL MANUAL NUMBER / TITLE	MEDIUM	QTY REQD	DATE REQD	STATUS
EE-230-DD-OPI-010/E120TPX42AV8 CATTC DAIR Operator Manual	Hard copy	7	Oct 98	Onboard
MIP R-040/001-XX CATCC DAIR MRCs	Hard copy	2	Oct 98	Onboard
MIP4121/12-XX AN/UPX-44 Data Processing Set MRCs	Hard copy	2	Oct 98	Onboard
NA16-30UPM-155-1 Technical Manual, Radar Test Set, AN/UPM-155, Vol. 1	Hard copy	7	Oct 98	Onboard
NA16-30UPM-155-2 Technical Manual, Radar Test Set, AN/UPM-155 Vol. 2	Hard copy	2	Oct 98	Onboard
NAVELEX0967-LP-429-6020 Video Signal Test Set AN/TPM-32 Technical Manual	Hard copy	2	Oct 98	Onboard
NAVELEX0967-LP-429-6030 Video Signal Test Set AN/TPM-32 Technical Manual	Hard copy	2	Oct 98	Onboard
NAVELEX0967-LP-430-7010 Signal Processor, CN-1358/T Technical Manual	Hard copy	7	Oct 98	Onboard
NAVELEX0967-LP-430-8020 Video Signal Processor, CP-1045/T Technical Manual	Hard copy	7	Oct 98	Onboard
NAVELEX0967-LP-542-5010 Operation and Maintenance Instructions for the AN/UPX-27	Hard copy	7	Oct 98	Onboard
NAVELEX0967-LP-636-8050 Radar Target Data Processor Operation and Maintenance Instructions	Hard copy	7	Oct 98	Onboard
NAVSEA-SE610-PV-MMO-010/UYK-44 Data Processing Set AN/UYK-44(V) Organizational Level Maintenance	Hard copy	7	Oct 98	Onboard
SPAWAR0967-LP-426-5010 Type Interference Blanker, MX-8757/UPX Technical Manual	Hard copy	7	Oct 98	Onboard
SPAWAR0967-LP-430-0020 Electronic Circuit Plug-In Unit Test Set AN/TPM-36 Technical Manual	Hard copy	2	Oct 98	Onboard
SPAWAR0967-LP-430-0030 Electronic Circuit Plug-In Unit Test Set, AN/TPM-36 Technical Manual	Hard copy	2	Oct 98	Onboard

IV.B.3. TECHNICAL MANUALS

SPAWAR0967-LP-636-8010 Interrogator Set, Vol. 1, AN/TPX-42(V)8, Operation and Maintenance Instructions	Hard copy	7	Oct 98	Onboard
SPAWAR0967-LP-636-8020 Interrogator Set, Operation and Maintenance Instructions Vol. 1	Hard copy	7	Oct 98	Onboard
SPAWAR0967-LP-636-8030 Interrogator Set, Operation and Maintenance Instructions Vol. 3	Hard copy	7	Oct 98	Onboard
SPAWAR0967-LP-636-8040 Interrogator Set Control, C-10329/TPX42A(V)-8 Operation and Maintenance Instructions	Hard copy	7	Oct 98	Onboard
SPAWAR0967-LP-636-8060 Signal Data Converter, CV-3476/TPX-42A(V)8 Operation and Maintenance Instructions	Hard copy	7	Oct 98	Onboard
SPAWAR0967-LP-636-8070 Indicator Group, Operation and Maintenance Instructions	Hard copy	7	Oct 98	Onboard
SPAWAR0967-LP-636-8080 Indicator Control, Keyboard Controller, and Position Entry Module, Operation and maintenance Instructions	Hard copy	7	Oct 98	Onboard

CIN, COURSE TITLE: C-103-20XX, AN/TPX42(V)14 Shipboard DAIR Maintenance Technician Pipeline
TRAINING ACTIVITY: NATTC
LOCATION, UIC : Pensacola, 63093

TECHNICAL MANUAL NUMBER / TITLE	MEDIUM	QTY REQD	DATE REQD	STATUS
EE-230-DD-OPI-010/E120TPX42AV8 CATTC DAIR Operator Manual	Hard copy	7	Jul 01	Pending
MIP R-040/001-XX CATCC DAIR MRCs	Hard copy	2	Jul 01	Pending
MIP4121/12-XX AN/UPX-44 Data Processing Set MRCs	Hard copy	2	Jul 01	Pending
NA16-30UPM-155-1 Technical Manual, Radar Test Set, AN/UPM-155, Vol. 1	Hard copy	7	Jul 01	Pending
NA16-30UPM-155-2 Technical Manual, Radar Test Set, AN/UPM-155 Vol. 2	Hard copy	2	Jul 01	Pending
NAVELEX0967-LP-429-6020 Video Signal Test Set AN/TPM-32 Technical Manual	Hard copy	2	Jul 01	Pending
NAVELEX0967-LP-429-6030 Video Signal Test Set AN/TPM-32 Technical Manual	Hard copy	2	Jul 01	Pending

IV.B.3. TECHNICAL MANUALS

NAVELEX0967-LP-430-7010 Signal Processor, CN-1358/T Technical Manual	Hard copy	7	Jul 01	Pending
NAVELEX0967-LP-430-8020 Video Signal Processor, CP-1045/T Technical Manual	Hard copy	7	Jul 01	Pending
NAVELEX0967-LP-542-5010 Operation and Maintenance Instructions for the AN/UPX-27	Hard copy	7	Jul 01	Pending
NAVELEX0967-LP-636-8050 Radar Target Data Processor Operation and Maintenance Instructions	Hard copy	7	Jul 01	Pending
NAVSEA-SE610-PV-MMO-010/UYK-44 Data Processing Set AN/UYK-44(V) Organizational Level Maintenance	Hard copy	7	Jul 01	Pending
SPAWAR0967-LP-426-5010 Type Interference Blanker, MX-8757/UPX Technical Manual	Hard copy	7	Jul 01	Pending
SPAWAR0967-LP-430-0020 Electronic Circuit Plug-In Unit Test Set AN/TPM-36 Technical Manual	Hard copy	2	Jul 01	Pending
SPAWAR0967-LP-430-0030 Electronic Circuit Plug-In Unit Test Set, AN/TPM-36 Technical Manual	Hard copy	2	Jul 01	Pending
SPAWAR0967-LP-636-8020 Interrogator Set, Operation and Maintenance Instructions Vol. 1	Hard copy	7	Jul 01	Pending
SPAWAR0967-LP-636-8030 Interrogator Set, Operation and Maintenance Instructions Vol. 3	Hard copy	7	Jul 01	Pending

CIN, COURSE TITLE: C-222-2012, Carrier Air Traffic Control Center Operations
TRAINING ACTIVITY: NATTC
LOCATION, UIC : Pensacola, 63093

TECHNICAL MANUAL NUMBER / TITLE	MEDIUM	QTY REQD	DATE REQD	STATUS
15G30 Operator Manual	Hard copy	12	Oct 96	Onboard
EE-230-DD-OPI-010/E120TPX42AV8 CATTC DAIR Operator Manual	Hard copy	12	Oct 96	Onboard
NA00-80T-105 Carrier NATOPS	Hard copy	12	Oct 96	Onboard
NA00-80V-49 Air Navigation Manual	Hard copy	12	Oct 96	Onboard

IV.B.3. TECHNICAL MANUALS

NAAE-CVATC-OPM-000 Carrier Air Traffic Control Handbook	Hard copy	12	Oct 96	Onboard
OPNAVINSI3120.32 Standard Operating Requirements Manual	Hard copy	12	Oct 96	Onboard
OPNAVINST5100.23 NAVOSH	Hard copy	12	Oct 96	Onboard

CIN, COURSE TITLE: C-222-2019, Amphibious Air Traffic Control Center Operations
TRAINING ACTIVITY: NATTC
LOCATION, UIC : Pensacola, 63093

TECHNICAL MANUAL NUMBER / TITLE	MEDIUM	QTY REQD	DATE REQD	STATUS
15G30 Operator Manual	Hard copy	12	Jul 97	Onboard
NA00-80T-106 LHA/LHD NATOPS Manual	Hard copy	12	Jul 94	Onboard
NA1660TPX42A(V)12-1-2 Operation and Maintenance Manual AN/TPX-42A(V)12 Vol. 2	Hard copy	12	Jul 94	Onboard
NAAE-LHATC-OPM-000 Amphibious Ships Air Traffic Control Manual	Hard copy	12	Jul 94	Onboard
OPNAVINSI3120.32 Standard Operating Requirements Manual	Hard copy	12	Jul 94	Onboard
OPNAVINST5100.23 NAVOSH	Hard copy	12	Jul 94	Onboard

PART V - MPT MILESTONES

COG CODE	MPT MILESTONES	DATE	STATUS
TSA	Deliver curricula materials.	Jul 83	Completed
TSA	Promulgate Integrated Logistics Support Master Plan.	Dec 85	Completed
TSA	Conduct analysis of manpower, personnel, and training requirements.	Jan 86	Completed
TSA	Promulgate Draft NTP to ALCON for review and comment.	Apr 87	Completed
OPO	Chair NTP Conference and issue minutes and action items that result.	Jul 87	Completed
OPO	Allocate fleet instructor, support, and student billets.	Jul 87	Completed
EPMAC	Requisition enlisted personnel.	Oct 87	Completed
NPC	Begin ordering enlisted personnel.	Oct 87	Completed
NPC	Order instructors and support personnel.	Oct 87	Completed
OPO	Approve and promulgate update NTP.	Jul 88	Completed
OPO	Program manpower and training resource requirements.	Jul 88	Completed
TSA	Submit Proposed NTP to OPNAV.	Jul 88	Completed
TSA	Begin initial training.	Oct 88	Completed
TSA	Begin training services.	Oct 88	Completed
TSA	Award factory training and curriculum material contract.	Oct 88	Completed
TSA	Award production contract.	Mar 89	Completed
OPTEVFOR	Begin OPEVAL.	Sep 89	Completed
NPC	Begin programming for officer training	Oct 90	Completed
TSA	Fleet introduction.	Apr 92	Completed
TSA	Deliver TTE.	Apr 93	Completed
TSA	Begin follow-on training.	Jul 93	Completed
TSA	Install TTE.	Jul 93	Completed
TSA	Promulgate Updated Draft NTSP.	Sep 99	Completed
TSA	Deliver AN/TPX-42A(V)14.	FY99	On-going
TSA	Begin follow-on training for AN/TPX-42A(V)14.	FY01	Pending
TSA	Achieve MSD for AN/TPX-42A(V)14.	Mar 02	Pending
EPMAC	Cancel NEC 1576	Oct 03	Pending

PART VI - DECISION ITEMS / ACTION REQUIRED

DECISION ITEM OR ACTION REQUIRED	COMMAND ACTION	DUE DATE	STATUS
NEC 1576 will be cancelled upon removal of the last AN/TPX-42(V)8 from CV or CVN.	NATTC Code 303	Oct 03	Pending

PART VII - POINTS OF CONTACT

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